

Kansas

Annual Summary of Vital Statistics, 2012



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“Remember to see the faces in the numbers.”

---Anonymous

Our Vision – Healthy Kansans living in safe and sustainable environments

Our Mission – To protect and improve the health and environment of all Kansans

ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 2012

Sam Brownback, Governor

**Robert Moser, MD, Secretary
Department of Health and Environment**

**Prepared by the:
Division of Public Health
Bureau of Epidemiology and Public Health Informatics
November 2013**

Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

Dear Kansans:

The Kansas Department of Health and Environment's *2012 Annual Summary of Vital Statistics* is now available for use in program evaluations and community health assessments. The report also now references targets based on Healthy People 2020 and the U.S. Centers for Disease Control and Prevention's Winnable Battles. Allow me to highlight below some areas that have become priorities in Kansas.

- The number of infant deaths in 2012 increased by seven to 254. Our 2012 infant mortality rate, 6.3 infant deaths per 1,000, is not a statistically significant increase from 2011, but it continues to remind us that every infant is important. I want to thank the dozens of Kansas organizations working to reduce infant mortality.
- Pregnancy-associated maternal deaths dropped from 24 in 2011 to 15 in 2012.
- I am deeply concerned by the 31.5 percent increase (384 deaths in 2011 to 505 in 2012) in the number of Kansas resident suicides. One out of five of those deaths occurred to persons aged 45 to 54. Our agency is working with other state agencies and private organizations to increase awareness and provide tools and resources towards suicide prevention to more effectively address this issue.
- The number of Kansas resident deaths remained virtually unchanged in 2012 (25,084 or 30 fewer than 2011). The 10 leading causes of death remained the same. Unintentional injury deaths were the fifth leading cause, and cerebrovascular deaths were the fourth leading cause. Tobacco use as reported on the death certificate contributed to almost one out of four deaths (24.5%). This is consistent with large-scale epidemiological studies that have estimated tobacco use to account for an estimated one in five deaths.
- The number of births in Kansas has begun to rebound. The 40,304 births represent a 1.7 percent increase from the 39,628 births in 2011. Our birth rate has increased from 13.8 to 14.0. Out of wedlock births at 36.7 percent of all births declined in 2012 for the second year in a row.
- The state's teen pregnancy rates for women 15-17 and 18-19, remain better than the Healthy People 2020 targets. Our AIDS/HIV age-adjusted mortality rate of 0.8 deaths per 100,000 population is markedly better than the Healthy People 2020 target of 3.3 deaths per 100,000 population. The state has also met Healthy People 2020 target for heart disease mortality but has not yet met the targets for cancer, motor vehicle crash, unintentional falls, and cerebrovascular mortality.

These are just a few of the statistics and facts contained in the report's more than 120 tables and figures. I encourage you to look at this summary. Become familiar with Kansas' vital statistics and the areas illustrating a need for improvement. This report of vital statistics information can help prioritize efforts as we work to reduce the problems.

Once such priority area is the department's efforts to work with physicians, hospitals and others involved in the vital statistics system to improve the quality of vital records information. Electronic reporting of death certificates is one method that improves reporting and returns information to families in a timely manner. This effort and others will make our statistics more useful in assessing the health of Kansas residents and serve Kansas better.



Robert Moser, M.D.
Secretary and State Health Officer
Kansas Department of Health and Environment

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Annual Summary 2012

Introduction

The 2012 *Annual Summary of Vital Statistics* is a general summary of data compiled from vital event records during calendar year 2012. Content includes statistics from live births, stillbirths, abortions, deaths, marriages, and marriage dissolution based on certificates and reports filed with the Office of Vital Statistics in the Bureau of Epidemiology and Public Health Informatics.

Tables and figures presented for births, stillbirths, and deaths are residence data unless otherwise indicated. Occurrence data are presented for marriage and marriage dissolution tables and figures. Reported abortions include both residence and occurrence events.

This report, available only electronically, provides an overview of the events contributing to the health status of Kansans. Report statistics are essential to governmental agencies, businesses, industries, and citizens for effective health policy decisions and program planning. A PDF version of the *Annual Summary* is at <http://www.kdheks.gov/hci/annsumm.html>.

The 2012 annual summary introduces a series of comparisons of selected Kansas vital statistics to national targets set by the Healthy People 2020 project [1] and by the Winnable Battles targets established by the Centers for Disease Control and Prevention.[2]

Comments concerning the format or content of this report may be directed to the Bureau of Epidemiology and Public Health Informatics (785-296-1531) or e-mail gjcrawford@kdheks.gov. ADA Statement: If you desire a copy of this publication in alternative form because of a disability, contact the Kansas Department of Health and Environment, Division of Public

1. Healthy People 2020 [Internet]. Washington: U.S. Department of Health and Human Services; [updated 2013 Aug 28; cited 2013 Sep 30] Available from: <http://www.healthypeople.gov/2020/default.aspx>.

2. Winnable Battles [Internet]. Atlanta: Centers for Disease Control and Prevention; [updated 2013 Aug 5; cited 2013 Sep 30] Available from: <http://www.cdc.gov/winnablebattles/>.

Health, Bureau of Epidemiology and Public Health Informatics, 1000 SW Jackson, Suite 130, Topeka, KS 66612-1354, (785) 296-8627, or 1-800-332-6262 (TDD/TT).

Population

Kansas increased in population from 2,871,238 residents in 2011 to 2,885,905 residents in 2012, a 0.5 percent increase. Geary, Stevens, and Pottawatomie Counties had the largest relative increases in population from 2008 to 2012 with percent changes of 21.9, 13.8, and 13.2 respectively. Elk, Finney, and Wilson counties had the largest relative decreases in population, with changes of 10.7, 9.3 and 6.1 percent respectively (Table 4).

Population Density and Peer Groups

The population density of Kansas was 35.3 inhabitants per square mile in 2012, a 14.2 percent increase from 30.9 persons per square mile in 1993. For comparison, the population density of the U.S. increased from 69.1 to 88.9 persons per square mile from 1993 to 2012, a 28.7 percent increase (Figure 8).

In 2012, 36 of the state's 105 counties had population densities of less than 6.0 persons per square mile. The most sparsely populated counties were Greeley and Wallace, with a density of 1.7 persons per square mile. The most densely populated county was Johnson, with 1,182.8 persons per square mile (Figure 9).

Several Kansas counties were re-categorized from one population-density peer group to another starting with the 2010 Annual Summary, to reflect population shifts indicated by the 2010 U.S. Census (See the Technical Notes, Appendix 2).

As a result of these changes, the frontier, densely-settled rural, and urban peer groups had increases in population 2008-2012 of 30.0, 12.4, and 9.0 percent, respectively, while the semi-urban and rural peer groups had decreases in population of 16.3 and 13.0 percent, respectively (Table 4).

Natural Increase

In 2012, the rate of natural increase (the birth rate minus the death rate) was 5.3 persons per 1,000 population, up 3.9 percent from the rate of 5.1 persons per 1,000 population recorded in 2011. Over the past 20 years (1993-2012), the rate of natural increase has fluctuated between a maximum of 6.3 persons per 1,000 population (2007) and a minimum of 5.0 persons per 1,000 population (1996) (Figure 5).

The population of Kansas increased about 211,000 from the 1990 Census to the 2000 Census, and by about 165,000 from the 2000 Census to the 2010 Census. Natural increase accounted for about 68 percent (144,000) of the increase in population in the 1990s, but it accounted for almost 96 percent (158,000) of the increase in population in the 2000s. Net immigration accounted for about 32 percent (67,000) of the population increase in the 1990s, but it accounted for only about 4 percent (7,000) in the 2000s.

Median Age

The median age of Kansans in 2012 was 36.0 years, a 6.5 percent increase from the median age of 33.8 in 1993. The median ages of Kansas males and females in 2012 were 34.6 and 37.4 respectively (Figure 6, Table 6).

Population Characteristics

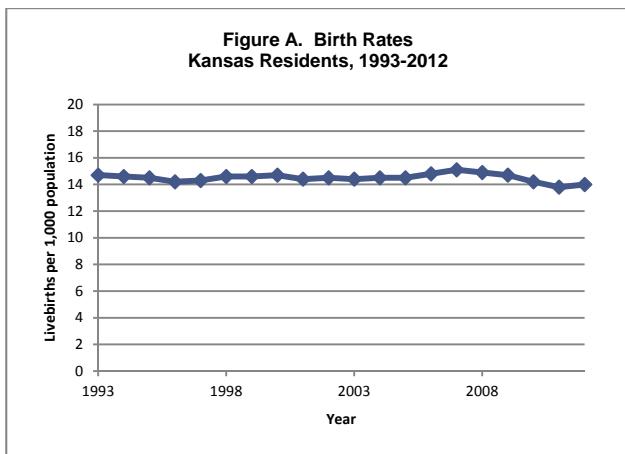
The percent increase in the Kansas total population from 1993-2012 was 14.0 percent, including a 15.4 percent increase for Kansas males and a 12.7 percent increase for Kansas females. Shifts in the Kansas population distribution by age from 1993 to 2012 included a decrease in the 35-44 age group of 12.7 percent. An increase of 46.8 percent in residents 45-54 years of age and 73.8 percent in residents 55-64 reflected the aging of the baby boomers. Furthermore, there were 9.1, 3.1, 16.6, 0.5, 11.3 and 12.0 percent increases in the 0-4, 5-14, 15-24, 25-34, 65-74 and 75 and over age-groups respectively (Figure 7, Table 6). According to the 2012 Census Bureau estimates, 77.4 percent of Kansans were White non-Hispanic and 5.8 percent were Black non-Hispanic. Hispanics made up 11.0 percent of Kansas' population (Tables 7 and 8).

Births

During 2012, there were 40,304 live births to residents of Kansas. This was an increase of 1.7 percent from the 39,628 births reported in 2011. The birth rate increased 1.4 percent, from 13.8 births per 1,000 population in 2011 to 14.0 births per 1,000 population in 2012 (Table 9).

The 2012 birth rate (14.0) is the third lowest Kansas birth rate in the period from 1912 to date (the entire period in which KDHE and its predecessors have maintained the Kansas Vital Records system). The only years with lower birth rates were 2011, with a rate of 13.8 births per 1,000 population, and 1973, with a rate of 13.9 births per 1,000 population (Figure 10).

Over the past 20 years (1993-2012), the Kansas birth rate has fluctuated between a peak of 15.1 births per 1,000 population (reported in 2007) and a low of 13.8 births per 1,000 population (reported in 2011) (Figure A). Birth rates decreased for several years in a row from 1992 to 1996, and from 2008 to 2011 (Table 11, Figure 10).



Population Group Statistics

In 2012, there were 28,995 births to resident White non-Hispanic mothers, an increase of 2.2 percent from the 28,382 births reported in 2011. The birth rate for White non-Hispanic mothers increased 2.4 percent, from 12.7 births per 1,000 population in 2011 to 13.0 births per 1,000 population in 2012 (Table 3, Table 29).

There were 6,286 births to Hispanic mothers in 2012, a decrease of 0.1 percent from the 6,293 births reported in 2011. The birth rate for His-

panic mothers decreased 2.5 percent, from 20.3 births per 1,000 population in 2011 to 19.8 births per 1,000 population in 2012.

There were 2,682 births to Black non-Hispanic mothers in 2012, a decrease of 1.0 percent from the 2,708 births reported in 2011. The birth rate for Black non-Hispanic mothers decreased 2.5 percent, from 16.3 births per 1,000 population in 2011 to 15.9 births per 1,000 population in 2012 (Table 3, Table 29).

Fertility Rates

The number of Kansas females in the main child-bearing age bracket (ages 15-44) increased fairly steadily from 557,557 in 1993 to 574,617 in 1999, then decreased to 557,854 in 2012. The fertility rate decreased 3.1 percent from 1993 to 1996 (from 66.9 to 64.8 live births per 1,000 females aged 15-44), then increased 16.5 percent from 1996 to 2007 (from 64.8 to 75.5 live births per 1,000 females aged 15-44). From 2007 to 2012, the fertility rate declined by 4.4 percent (from 75.5 to 72.2 live births per 1,000 females aged 15-44) (Table 12, Figure 11).

Of the 40,304 resident births in 2012, there were 20,603 males and 19,701 females, for a natal sex ratio of 104.6 male births to 100.0 female births. In most populations, this ratio is in the range of 104-106, although some populations experience ratios as low as 103 or as high as 107, even in the absence of deliberate sex selection [3] (Table 13).

Low Birth Weight

During 2012, low birth-weight (under 2,500 grams) infants accounted for 2,888 or 7.2 percent of births to Kansas resident mothers. Low birth-weights were more common for Black non-Hispanic mothers (13.2%) than for White non-Hispanic (6.5%) or Hispanic (6.9%) mothers. High birth-weight (4,000 grams and over) infants accounted for 3,421, or 8.5 percent of

births to Kansas resident mothers. High birth-weights were more common for White non-Hispanic mothers (9.2%) than for Hispanic (8.0%) or Black non-Hispanic (5.0%) mothers (Table 27).

Gestation

Infants born at birth-weights less than the 10th percentile of all other infants at the same gestational age (lowest 9.9 percent) are considered small for gestational age (SGA). Table 22 uses birth-weights from 2012 births for the state of Kansas as a whole as the reference in establishing the cutoff point. The table enables a county to compare its SGA rate to that of the state. While a number of counties have high SGA rates, they are based on a relatively low number of births.

Mother's Age

Of the 40,304 resident births in 2012, 8.3 percent (3,331) were to mothers under the age of 20; 56.9 percent (22,950) were to mothers 20-29 years of age; 32.8 percent (13,229) were to mothers 30-39 years of age; and 2.0 percent (793) were to mothers aged 40 or over (Table 25).

Of the 28,995 resident births to White non-Hispanic mothers, 1,915 (6.6%) were to mothers under the age of twenty. Of the 2,682 births to Black non-Hispanic mothers, 345 (12.9%) were to mothers under the age of 20. Of the 6,286 births to Hispanic mothers, 894 (14.2%) births were to mothers under the age of 20 (Table 3, Figure 18).

First Trimester Care

Prenatal care data was provided for 39,871 out of 40,304 (98.9%) live births in 2012. Prenatal care began in the first trimester for 31,457 live births (78.9 percent of live births where prenatal care data was available), in the second trimester for 6,860 live births (17.2%), and in the third trimester for 1,202 live births (3.0%). No prenatal care was indicated for 352 live births (0.9%).

White non-Hispanic mothers started prenatal care in the first trimester in 82.7 percent of live births (23,778). Black non-Hispanic mothers started prenatal care in the first trimester in 69.3

3. United Nations Population Fund [Internet] UNFPA Guidance Note on Prenatal Sex Selection, p. 11.; [cited 2013 Sep 30]. Available from: http://www.unfpa.org/webdav/site/global/shared/documents/publications/2010/guidenote_prenatal_sexselection.pdf.

percent of live births (1,829). Hispanic mothers started prenatal care in the first trimester in 66.6 percent of live births (4,126) (Table 26).

Prenatal Care Status

Of the 40,304 Kansas resident live births in 2012 for which the adequacy of prenatal care utilization (APNCU) category could be determined, 81.9 received adequate or better prenatal care, including 31.3 percent with adequate-plus care. About eighteen percent (18.1) received less than adequate prenatal care, including 11.7 percent with inadequate care (Table 18).

Mother's Weight Gain

Among singleton Kansas live births, 20.5 percent of mothers gained less than the recommended weight during pregnancy, 31.8 percent gained the recommended weight, and 47.7 percent gained more than the recommended amount (Table 23).

Marital Status

During 2012, 14,805 (36.7%) of the 40,304 resident live births in Kansas were to unmarried mothers. There were 8,857 (30.5%) out-of-wedlock births to White non-Hispanic mothers; 1,916 (71.4%) to Black non-Hispanic mothers; and 3,306 (52.5%) to Hispanic mothers (Table 26, Table 30).

The percentage of out-of-wedlock births declined in 2012 for the second year in a row, from 37.3 percent in 2011 to 36.7 percent in 2012. However, out-of-wedlock births were 42.8 percent higher than the 25.7 percent of live births reported in 1993 (Figure 16).

Delivery Method

Vaginal delivery was the most common final route of delivery for most Kansas resident live births in 2012 (28,132 live births, or 69.8% of all live births for which the final route of delivery was known). Most vaginal deliveries were "spontaneous," meaning no mechanical procedures like forceps or vacuum extraction were required (26,597 deliveries, or 66.0% of live births for which the final route was stated). Other vaginal deliveries (forceps assisted or vacuum extraction) accounted for 1,535 live births (3.8%). Cesarean deliveries accounted for

12,160 live births (30.2%). White non-Hispanic mothers delivered via cesarean section in 8,888 live births (30.7%), Black non-Hispanic mothers in 905 live births (33.7%), and Hispanic mothers in 1,672 live births (26.6%). There were 12 deliveries for which the final route of delivery was not recorded (Table 28).

Tobacco Use

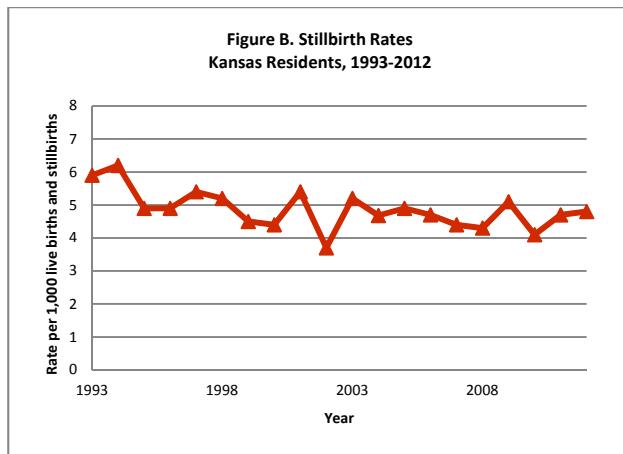
Tobacco use at any time during pregnancy was reported for 5,494 births in 2012, amounting to fourteen (13.7) percent of births for which tobacco usage was reported. Tobacco use was known for 40,212 of the 40,304 births (99.8%) in 2012.

Reported tobacco usage was highest in the three months immediately prior to pregnancy (6,456, or 16.1%) and decreased gradually with each trimester: to 5,422, or 13.5 percent in the first trimester; then to 4,781, or 11.9 percent in the second trimester; and finally to 4,624, or 11.5 percent in the third trimester (Table 21).

Stillbirths

During 2012, there were 195 stillbirths reported for Kansas resident mothers, an increase of 3.7 percent from the 188 stillbirths reported in 2011. The stillbirth rate was 4.8 per 1,000 live births and stillbirths, an increase of 2.1 percent from the rate of 4.7 stillbirths per 1,000 live births and stillbirths in 2011 (Table 35).

In 2012, the stillbirth rate (per 1,000 live births plus stillbirths) was 3.8 for White non-Hispanics, 6.7 for Black non-Hispanics, and 8.7 for Hispanics (Figure 20).



Over the past twenty years (1993-2012), still-birth rates have fluctuated, but Poisson regression indicates that the general trend has been downward (Figure B).

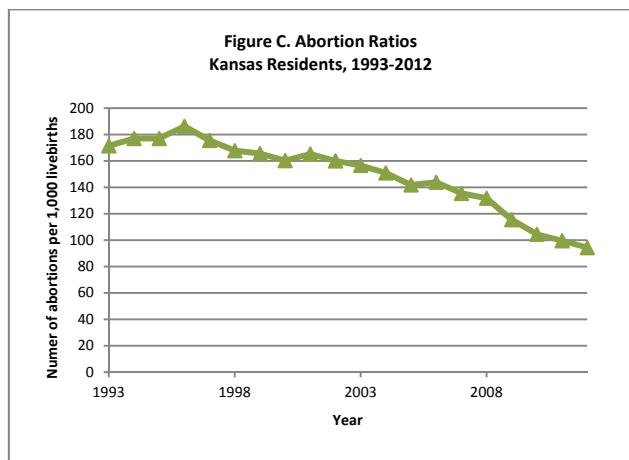
Of all stillbirths in 2012, 90.8 percent were attributed to conditions originating in the perinatal period and 9.2 percent to congenital anomalies (Table 45).

Abortions

In 2012, there were 3,802 abortions performed for Kansas residents, of which 3,655 were performed in Kansas, and 147 were performed out-of-state. There were also 3,796 abortions performed in Kansas for non-residents (Table 38).

Abortion Ratios

The abortion ratio for Kansas residents in 2012 was 94.3 abortions per 1,000 live births, a decrease of 5.3 percent from the 99.6 ratio in 2011. The 2012 abortion ratio was the lowest in the past twenty years (1993-2012), down from a peak of 186.3 abortions per 1,000 live births in 1996 (Figure C) (Table 39, Figure 21).



The abortion ratio for Kansas residents in 2012 varied substantially by age-group of mother. The highest ratio (500.0 per 1,000 live births) was recorded for mothers under 15 years of age, while the lowest (66.5 per 1,000 live births) was recorded for mothers in the 30-34 age group (Figure 22).

The abortion ratio for White non-Hispanics was 79.6 abortions per 1,000 live births (2,307 resident abortions); for Black non-Hispanics it was 234.9 (630 resident abortions); and for Hispan-

ics it was 77.6 (488 resident abortions) (Table 39).

Gestation at Termination

In 2012, 65.2 percent of Kansas resident abortions occurred prior to nine completed weeks of gestational age. Eighty-nine percent (88.6) were performed prior to the 13th week of gestation. Slightly more than six percent (6.1) of Kansas resident teenage women obtained an abortion after 16 weeks gestation, compared to 4.3 percent aged 20 or over (Table 39).

Marital Status

Slightly more than eighty-five percent (85.8) of all reported abortions in 2012 were to unmarried women. Among Black non-Hispanic women in this group, 91.8 percent were unmarried, while 86.3 percent of White non-Hispanic women and 80.7 percent of Hispanic women were unmarried (Table 40).

Teen Pregnancy

It is important to look at all reported pregnancies to analyze fertility. The number of pregnancies is the sum of live births, reported still-births, and reported induced abortions. The total number of pregnancies for mothers under 20 years of age in 2012 was 3,823, down 6.6 percent from 4,095 pregnancies in 2011. The pregnancy rate for mothers under 20 years of age in 2012 was 19.7 pregnancies per 1,000 female age-group population, a decline of 5.7 percent from a rate of 20.9 pregnancies per 1,000 female age-group population in 2011. This was the lowest pregnancy rate for this age-group in the past twenty years (1993-2012), down from a peak of 35.2 pregnancies per 1,000 female age-group population in 1993 (Table 31, Figure 19).

The pregnancy rate for females aged 15-17 years in 2012 was 17.0 per 1,000 female age-group population. This surpasses the Healthy People 2020 target (FP 8.1) of 36.2 pregnancies among adolescent females aged 15 to 17 years by 2020.

The pregnancy rate for females aged 18-19 years in 2012 was 70.8 per 1,000 female age-group population. This surpasses the Healthy

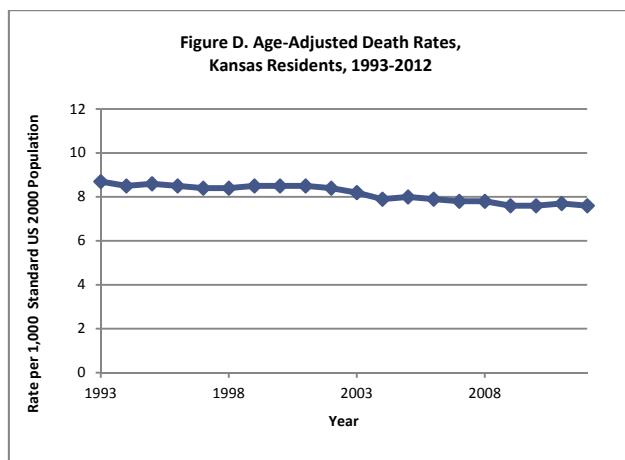
People 2020 target (FP 8.2) of 105.9 pregnancies among females ages 18-19 years by 2020.

The birth rate for females aged 15-19 years in 2012 was 34.1 per 1,000 female age group population (Table 13). The CDC Winnable Battles target for 2015 is 30.3 births per 1,000 females aged 15 to 19 years. To meet this target, birth for females 15-9 would have to decline from 3,303 in 2012 to about 2,935 by 2015.

Deaths

There were 25,084 Kansas resident deaths recorded in 2012, a decrease of 0.1 percent from the 25,114 deaths recorded in 2011. The Kansas crude death rate in 2012 was 8.7 deaths per 1,000 population, which was 7.4 percent higher than the estimated US crude rate of 8.1 deaths per 1,000 population (Table 43, Figure 26).

The Kansas age-adjusted death rate (see Technical Notes for a discussion of age-adjusted rates) for 2012 was 7.6 deaths per 1,000 standard U.S. 2000 population, a decrease of 1.3 percent from an age adjusted rate of 7.7 in 2011. The age-adjusted death rate for males (8.9) was 36.9 percent higher than that for females (6.5) (Table 53).



The Kansas age-adjusted death rate has declined in most of the past twenty years (1993-2012), and in 2012 was 12.6 percent below its peak for the period (8.7, in 1993) (Figure D) (Figure 30, Table 53).

Age at Death

The average age at death of Kansas residents in 2012 was 74.1 years, a 0.4 percent decrease from the average age at death of 74.4 years in 2011 (Table 56).

Average age at death varied by sex and population group. In 2012, males died 6.8 years younger than females (70.7 versus 77.5 years). The average age at death for the White non-Hispanic population was 75.4 years, 10.9 years older than that of the Black non-Hispanic population (64.5 years), and 16.5 years older than that of the Hispanic population (58.9 years) (Table 56).

About 62 percent (61.6) of White non-Hispanic Kansas residents who died in 2012 were 75 years of age or older, while only 37.3 percent of deceased Black non-Hispanic residents and 36.3 percent of deceased Hispanic residents had reached the age of 75 (Table 56).

Infant Mortality

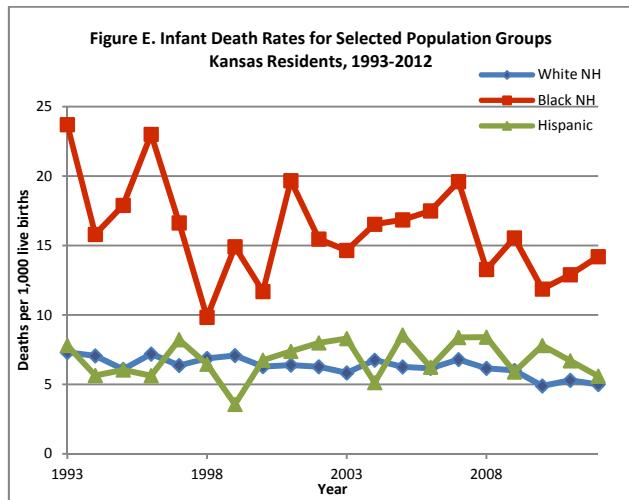
There were 254 infant deaths to Kansas residents in 2012, an increase of 2.8 percent from 247 infant deaths in 2011 (Table 49).

The infant mortality rate for Kansas residents in 2012 was 6.3 infant deaths per 1,000 live births, an increase of 1.6 percent from a rate of 6.2 in 2011. The Healthy People 2020 target for infant deaths is 6.0 infant deaths per 1,000 live births (MICH-1.3). Kansas needed 12 fewer infant deaths in 2012 to meet this target.

The rate for White non-Hispanic mothers in 2012 was 5.0 deaths per 1,000 live births, a decrease of 5.7 percent from the rate of 5.3 in 2011. The rate for Black non-Hispanic mothers was 14.2 deaths per 1,000 live births, an increase of 10.1 percent from the rate of 12.9 in 2011. The rate for Hispanic mothers was 8.6 deaths per 1,000 live births, an increase of 28.4 percent from the rate of 6.7 in 2011. Caution should be used in interpreting these changes due to the relatively small number of occurrences and yearly fluctuations (Table 48).

Infant death rates for Black non-Hispanic mothers have consistently remained higher than those of White non-Hispanic and Hispanic

mothers for the past twenty years (1993-2012). Rates for Hispanic mothers have sometimes been higher and sometimes lower than those for White non-Hispanic mothers (Figure E).



Infant Age at Death

Infant deaths are most likely to occur within the first month of life. In 2012, 42.9 percent of all infant deaths occurred in the first day of life, 55.9 percent occurred within the first seven days of life (the hebdomadal period), and 68.1 percent occurred within the first 28 days of life (the neonatal period) (Table 50).

The components of perinatal period III mortality (see definition in Technical Notes) both increased from 2011 to 2012; stillbirths by 3.7 percent, hebdomadal deaths by 17.4 percent. There were 337 perinatal period III deaths in 2012, for a death rate of 8.3 deaths per 1,000 live births plus stillbirths, a decrease of 21.0 percent from the 1993 rate of 10.5 (Table 46).

Of all infant deaths in 2012, 48.0 percent were attributed to conditions originating in the perinatal period, 20.1 percent to congenital anomalies, 9.4 percent to sudden infant death syndrome (SIDS), and 22.4 percent to all other causes (Table 50).

Maternal Mortality

In the 2008 report, Kansas adopted the definition of “maternal death” used by the National Center for Health Statistics (NCHS), and introduced a new category called “other pregnancy associated deaths.” Please see the Technical Notes for full definitions. The new categories

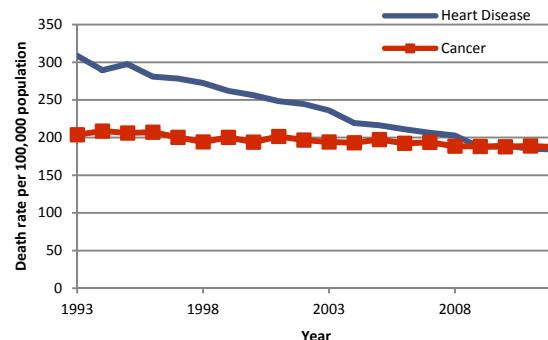
were applied retroactively to 2005; before 2005 the Kansas death certificate lacked an important field needed to identify pregnancy associated deaths. In 2012, there were four maternal deaths and 11 other pregnancy associated deaths, an overall decrease from 2011, when there were four maternal deaths and twenty other pregnancy associated deaths (Figure 29).

Leading Causes of Death

The 10 leading causes of death in Kansas remained unchanged from 2011 to 2012, though their order changed in some cases. Malignant neoplasms continued to be the leading cause of death. Unintentional injuries fell one position, switching places with cerebrovascular disease. All other rankings in the ten leading causes remained unchanged.

Kansas recorded 505 resident suicide deaths in 2012 compared to 384 in 2011. The suicide age-adjusted death rate increased from 13.4 deaths per 100,000 population in 2011 to 17.6 deaths per 100,000 population in 2012. The change was statistically significant. Death rate changes for the other nine leading causes of death were not statistically significant. Increased suicide deaths may be due in part to quality improvement checks implemented in 2012 to compare death certificate information with codes assigned by the National Center for Health Statistics. The ten leading causes of death accounted for 72.5 percent of all Kansas resident deaths in 2012 (Table 60).

Figure F. Cause Specific Death Rates for Two Leading Causes
Kansas Residents, 1993-2012



Historical cause-specific (crude) death rates over the past twenty years illustrate the convergence of heart disease and malignant neo-

plasms (cancer) mortality (Figure F). Mortality due to both diseases has declined, but heart disease deaths have declined much more rapidly than cancer deaths. In 2012, the heart disease death rate was 184.1 deaths per 100,000 population, while the cancer death rate was 187.3 per 100,000 population (Table 59, Figure 31).

Age at Death for Leading Causes

For any given cause of death, there can be wide variations in average age of death by sex of decedent. Males and females who died from malignant neoplasms did so at about the same ages (70.7 and 72.1 years, respectively), but males who died from heart disease did so at younger ages than did females (75.2 and 82.0 years, respectively). Males and females dying from chronic lower respiratory disease did so at about the same ages (76.8 and 76.6 years, respectively), but males dying of cerebrovascular disease did so at younger ages than did females (77.5 and 83.4 years, respectively). Males and females died from suicide at about the same average ages (44.8 and 43.5, respectively), but males died from unintentional injuries at much younger ages than females (53.1 and 64.4 years, respectively). Alzheimer's disease killed at the highest average ages for males and females (84.0 and 87.3 years respectively) (Table 59).

The leading causes of death also varied by age-group. In 2012, the leading cause of death for infants (up to one year of age) was complications related to length of gestation or fetal growth. For age-groups 1-4, 5-14, 15-24, and 25-44 the leading cause of death was unintentional injuries. For age-groups 45-64 and 65-84 the leading cause of death was cancer, and for ages 85 and above the leading cause of death was heart disease (Figure 32).

For the 15-24 age-group, unintentional injuries were followed by suicide and homicide as leading causes of death. Together, they accounted for 75.1 percent of deaths in this age-group (Table 58).

Infectious Disease

Twenty-four (24) Kansas residents died of HIV/AIDS in 2012, for an age-adjusted death rate of 0.8 per 100,000 population (Table 72).

This surpasses the Healthy People 2020 target (HIV-12) of reducing the rate to 3.3 HIV/AIDS deaths per 100,000 population.

Cancer

Cancer was responsible for 5,406 Kansas resident deaths in 2012, for an age-adjusted death rate of 167.5 per 100,000 population (Table 60). The Healthy People 2020 target for cancer deaths (C-1) is 160.6 per 100,000 population. To meet this target, Kansas resident cancer deaths would have to decline to about 5,183 by 2020 (Table 63). (The exact number would depend on decedent age distributions and on future changes to the Kansas population.)

Ischemic Heart Disease

Ischemic heart disease was responsible for 2,990 Kansas resident deaths in 2012, for an age-adjusted death rate of 88.7 per 100,000 population (Table 61). This surpasses the Healthy People 2020 target for reducing coronary heart disease deaths (HDS-2, which has the same definition as used here for ischemic heart disease), to 100.8 per 100,000 population.

Cerebrovascular Disease

Kansas death rates from cerebrovascular disease decreased to 46.1 per 100,000 population in 2012, down 0.6 percent from a rate of 46.4 per 100,000 population in 2011. This is the lowest death rate due to cerebrovascular disease in the past twenty years (1993-2012) (Table 60, Figure 31).

Healthy People 2020 uses the word "stroke" to include all the ICD-10 codes included in this report in the cerebrovascular disease category. The Healthy People 2020 target for stroke (HDS-3) is to reduce deaths to 33.8 deaths per 100,000 population. To meet this target, Kansas resident cerebrovascular disease deaths would have to decline from 1,331 in 2012 to about 976 by 2020 (Table 63). (The exact number would depend on decedent age distributions and on future changes to the Kansas population.)

External Causes

In 2012, the unintentional injury death rate was 45.2 deaths per 100,000 population, a decrease

of 4.4 percent from the rate of 47.3 in 2011. The 2011 rate was the highest unintentional injury death rate in the past twenty years (Table 60, Figure 31).

Motor-vehicle injuries resulted in 410 deaths in 2012 (390 traffic and 20 non-traffic), accounting for 31.4 percent of 1,304 unintentional injury deaths. This was a decrease of 1.4 percent from 416 motor-vehicle injury deaths in 2011 (Table 64).

The motor-vehicle traffic injury death rate in 2012 was 13.4 deaths per 100,000 population (age-adjusted). The CDC Winnable Battles target for 2015 is 9.5 deaths per 100,000 population, and the Healthy People 2020 target (IVP-13.1) is 12.4 deaths per 100,000 population. Meeting the CDC target would require a reduction in motor-vehicle traffic injury deaths to about 276, while meeting the Healthy People 2020 goal would require a reduction to about 360 deaths. (The exact number would depend on decedent age distributions and on future changes to the Kansas population.)

Unintentional falls were responsible for 338 Kansas resident deaths in 2012, for an age-adjusted death rate of 9.9 per 100,000 population. The Healthy People 2020 target for fall related deaths (IVP-23.1) is 7.0 per 100,000 population. Meeting this target would require a reduction to about 239 unintentional fall deaths by 2020. (The exact number would depend on decedent age distributions and on future changes to the Kansas population.)

Suicide

In 2012, 505 Kansas residents died due to suicide, up 31.5 percent from 384 suicide deaths in 2011. Over four-fifths (81.8%) of suicide victims were male. The two age groups with the largest number of suicides were 45-54 (110 deaths) and 25-34 (87 deaths). The three most common methods of suicide were firearms (297 deaths), suffocation (113 deaths), and poisoning (69 deaths) (Table 65, Table 72).

YPLL 75 Statistics

Mortality in Kansas was responsible for 187,947 years of potential life lost before age 75 in 2012 (see Technical Notes – Years of Potential Life

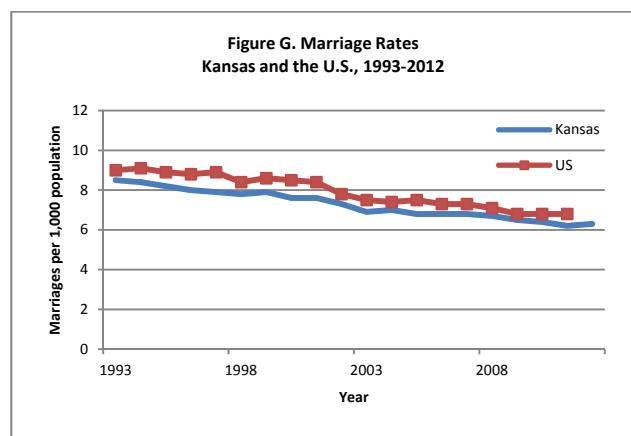
Lost). Cancer, unintentional injury, and heart disease accounted for the most years of potential life lost (39,974, 28,040, and 24,475 years lost, respectively). Men lost more than twice the potential years of life to unintentional injuries than did women (19,338 years and 8,702 years, respectively) (Table 69).

Tobacco and Mortality

Tobacco use contributed to 3,619 deaths in Kansas in 2012 (24.5 percent of the deaths where the tobacco contribution was known and reported on the death certificate). Tobacco use was a contributing factor in 31.3 percent of male deaths, and in 18.2 percent of female deaths. The causes of death showing the largest tobacco contribution were cancer of the trachea, bronchus and lung (87.6%), chronic lower respiratory disease (84.8%), and ischemic heart disease (32.7%). (Table 71) Physicians and coroners can state on the death certificate whether tobacco contributed to the death. Because information may not be available at the time the death certificate is completed, tobacco's contribution may be subject to some under-reporting.

Marriages

In 2012, 18,154 marriages occurred in Kansas, an increase of 1.4 percent from the 2011 total of 17,897 marriages (Table 74).



The Kansas marriage rate in 2012 was 6.3 marriages per 1,000 population. This rate was 1.6 percent higher than the 6.2 percent rate recorded in 2011, but still 25.9 percent below the 1993 peak for the 1993-2012 period of 8.5 marriages per 1,000 population (Figure G). For the entire

period, Kansas marriage rates have been lower than U.S. marriage rates (Figure 36).

Marriage Characteristics

First-time marriages made up more than half of the marriages in Kansas for the thirteenth consecutive year. In 2012, 56.1 percent of all marriages involved first-time partners (Table 78).

More marriages occurred in June (13.8%) than any other month in 2012. September and October were the second and third most popular months (Figure 38).

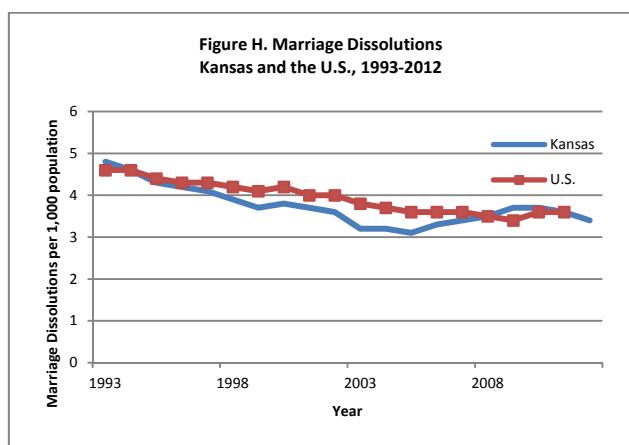
Age at Marriage

Kansas couples are delaying marriage. In 1993, 12.4 percent of the brides and 4.6 percent of the grooms were under 20 years of age. In 2012, however, only 6.2 percent of the brides and 2.4 percent of the grooms were under 20 (Table 79).

The average age of all brides in 2012 was 30.5 years and that of grooms was 32.6 years. Women marrying for the first time averaged 25.5 years while first time grooms averaged 27.4 years. Of those persons who remarried in 2012, women were, on average, 40.3 years old and men were 43.2 years of age (Figure 39).

Marriage Dissolutions

In 2012, 9,782 marriage dissolutions (9,530 divorces and 252 annulments) occurred in Kansas, a decline of 6.3 percent from the 2011 total of 10,445 (Table 75 and Table 81).



The Kansas marriage dissolution rate in 2012 was 3.4 per 1,000 population, which was 29.2

percent lower than the 1993 rate of 4.8 (Figure H). Kansas reported a higher marriage dissolution rate than the U.S. from 1952 to 1994. However, in 1995, the state's rate (4.3) dropped below the U.S. rate (4.4) and remained below the national norm until 2008. U.S. rates for 2012 had not been released at the time this summary was written (Figure 37).

The ratio of marriages to divorces in Kansas in 2012 was 1.9:1 (Table 74, Table 75).

Age at Marriage Dissolution

The most common age-group of husbands involved in marriage dissolution in 2012 was 30-34; the most common age-group of wives involved in marriage dissolution was also 30-34. For couples of the same age-group, the most common age-group was 30-34 (Table 80).

The average age at marriage dissolution in 2012 was 37.8 years for wives and 40.8 years for husbands, as compared to 34.0 years for wives and 36.4 years for husbands in 1993 (Figure 40).

Marriage Dissolution Characteristics

In 2012, 34.7 percent of marriages ending in divorce or annulment lasted four years or less (Table 81).

There were 9,108 minor children affected as a result of marriage dissolution in 2012. At least one minor child was reported to be involved in half (50.3%) of the marriage dissolutions (Table 82, Figure 41).

VITAL EVENTS

Table 1
Selected Vital Events and Percent Change
Kansas, 2012, 2011 and 1993

Vital Event	2012	2011	Percent Change 2011-2012	1993	Percent Change 1993-2012
Live Births	40,304	39,628	1.7	37,285	8.1
Out-of-Wedlock Births	14,805	14,749	0.4	9,599	54.2
Stillbirths	195	188	3.7	222	-12.2
Hebdomadal Deaths	142	121	17.4	171	-17.0
Perinatal Period III Deaths	337	309	9.1	393	-14.2
Neonatal Deaths	173	157	10.2	201	-13.9
Infant Deaths	254	247	2.8	325	-21.8
Maternal Deaths	4	4	0.0	3	33.3
Deaths	25,084	25,114	-0.1	23,508	6.7
Marriages	18,154	17,897	1.4	21,527	-15.7
Marriage Dissolutions	9,782	10,445	-6.3	12,088	-19.1
Abortions	3,802	3,946	-3.6	6,394	-40.5

Residence data are presented for births, deaths, abortions

Occurrence data are presented for marriages and marriage dissolutions

EVERY DAY DURING 2012*

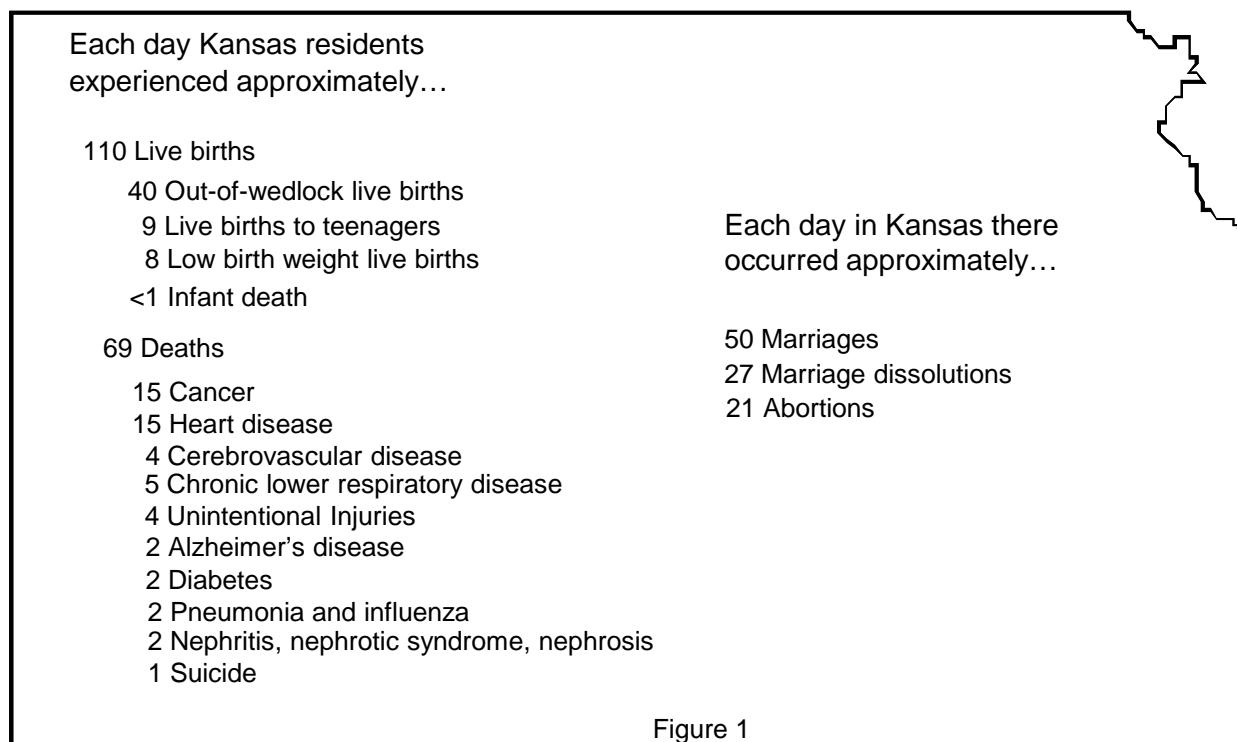
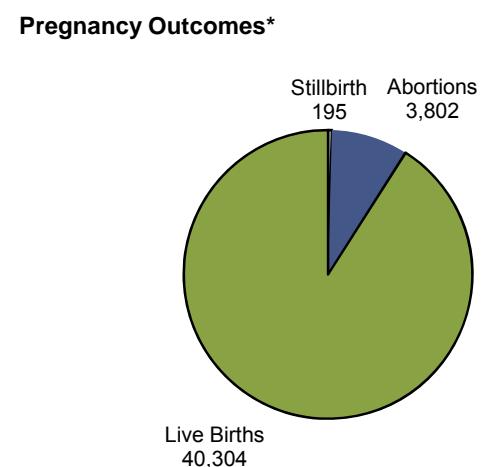
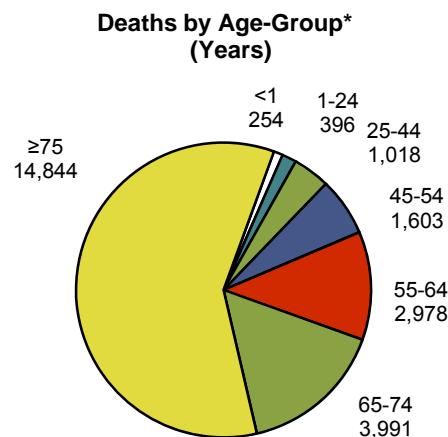
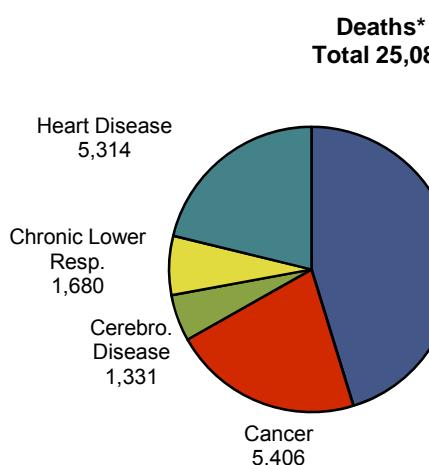


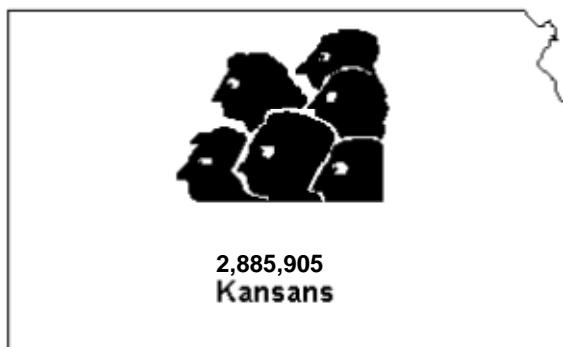
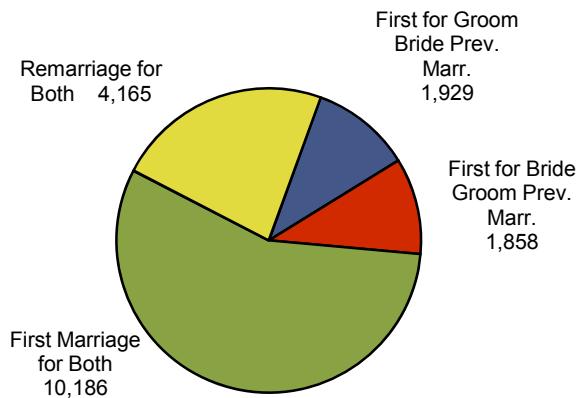
Figure 1

* Based on 366 Days in 2012

Kansas Vital Statistics for 2012



Marriages[†] by Marriage Order
Total 18,154
(16 N.S.)



Marriage Dissolutions[†]
By Duration of Marriage
Total 9,782
(55 N.S.)

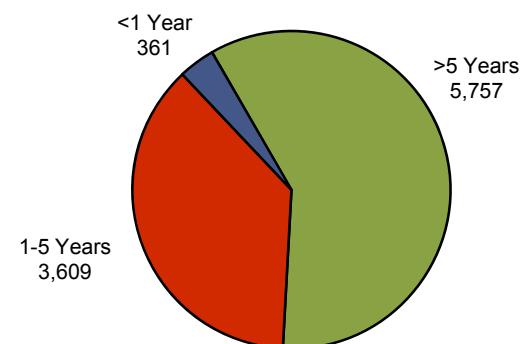


Figure 2

* Residence Data

† Occurrence Data

Table 2
Selected Vital Event Percents, Rates, and Ratios
Kansas, 1993-2012

Vital Event	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Live Births																				
Number	37,283	37,269	37,087	36,524	37,191	38,372	38,748	39,654	38,832	39,338	39,353	39,553	39,701	40,896	41,951	41,815	41,388	40,439	39,628	40,304
Rate*	14.7	14.6	14.5	14.2	14.3	14.6	14.6	14.7	14.4	14.5	14.4	14.5	14.5	14.8	15.1	14.9	14.7	14.2	13.8	14.0
Out-of-Wedlock Births																				
Number	9,599	9,653	9,594	9,798	10,260	10,657	11,068	11,491	11,592	12,129	12,345	12,897	13,492	14,376	15,252	15,754	15,572	15,241	14,749	14,805
Percent†	25.7	25.9	25.9	26.8	27.6	27.8	28.6	29.0	29.9	30.8	31.4	32.6	34.0	35.2	36.4	37.7	37.6	37.7	37.2	36.7
Stillbirths																				
Number	222	231	183	179	202	199	175	177	209	146	206	186	194	192	186	182	213	168	188	195
Rate‡	5.9	6.2	4.9	4.9	5.4	5.2	4.5	4.4	5.4	3.7	5.2	4.7	4.9	4.7	4.4	4.3	5.1	4.1	4.7	4.8
Hebdomadal Deaths																				
Number	171	140	134	157	147	132	159	146	148	155	138	144	153	137	163	160	144	143	121	142
Rate§	4.6	3.8	3.6	4.3	4.0	3.4	4.1	3.7	3.8	3.9	3.5	3.6	3.9	3.3	3.9	3.8	3.5	3.5	3.1	3.5
Perinatal Period III Deaths																				
Number	393	371	317	336	349	331	334	323	357	301	344	330	347	329	349	342	357	311	309	337
Rate‡	10.5	9.9	8.5	9.2	9.3	8.6	8.6	8.1	9.1	7.6	8.7	8.3	8.7	8.0	8.3	8.1	8.6	7.7	7.8	8.3
Neonatal Deaths																				
Number	201	177	166	199	173	172	189	174	178	192	177	176	196	176	211	193	176	170	157	173
Rate§	5.4	4.7	4.5	5.4	4.7	4.5	4.9	4.4	4.6	4.9	4.5	4.4	4.9	4.3	5.0	4.6	4.3	4.2	4.0	4.3
Infant Deaths																				
Number	325	285	256	299	274	263	281	266	285	282	262	284	297	293	333	303	290	253	247	254
Rate§	8.7	7.6	6.9	8.2	7.4	6.9	7.3	6.7	7.3	7.2	6.7	7.2	7.5	7.2	7.9	7.2	7.0	6.3	6.2	6.3
Maternal Deaths †																				
Number	3	2	2	2	5	3	4	4	1	2	0	2	6	4	3	7	8	7	4	4
Rate#	8.0	5.4	5.4	5.5	13.4	7.8	10.3	10.1	2.6	5.1	0.0	5.1	15.1	9.8	7.2	16.7	19.3	17.3	10.1	9.9
Deaths																				
Number	23,508	23,219	23,807	23,788	23,609	23,928	24,380	24,676	24,590	24,968	24,417	23,720	24,632	24,489	24,413	24,896	23,997	24,428	25,114	25,084
Rate*	9.3	9.1	9.3	9.2	9.1	9.1	9.2	9.2	9.1	9.2	9.0	8.7	9.0	8.9	8.8	8.9	8.5	8.6	8.7	8.7
Marriages																				
Number	21,527	21,524	21,057	20,657	20,537	20,403	20,905	20,426	20,457	19,783	18,722	19,174	18,745	18,836	18,910	18,717	18,268	18,150	17,897	18,154
Rate*	8.5	8.4	8.2	8.0	7.9	7.8	7.9	7.6	7.6	7.3	6.9	7.0	6.8	6.8	6.8	6.7	6.5	6.4	6.2	6.3
Marriage Dissolutions																				
Number	12,068	11,659	11,029	10,779	10,618	10,363	9,926	10,105	9,885	9,654	8,644	8,759	8,476	8,145	9,347	9,818	10,333	10,579	10,445	9,782
Rate*	4.8	4.6	4.3	4.2	4.1	3.9	3.7	3.8	3.7	3.6	3.2	3.1	3.3	3.4	3.5	3.7	3.6	3.7	3.6	3.4
Abortions																				
Number	6,394	6,596	6,566	6,806	6,532	6,440	6,416	6,356	6,419	6,298	6,163	5,971	5,629	5,886	5,679	5,512	4,780	4,223	3,946	3,802
Ratio§	171.5	177.0	177.0	186.3	175.6	167.8	165.6	160.3	165.3	160.1	156.6	151.0	141.8	143.9	135.4	131.8	115.5	104.4	99.6	94.3

Residence data are presented for births, deaths, abortions
Occurrence data are presented for marriages and marriage dissolutions

* Per 1,000 total population

† Per 100 live births

‡ Per 1,000 (live births + still births)

§ Per 1,000 live births

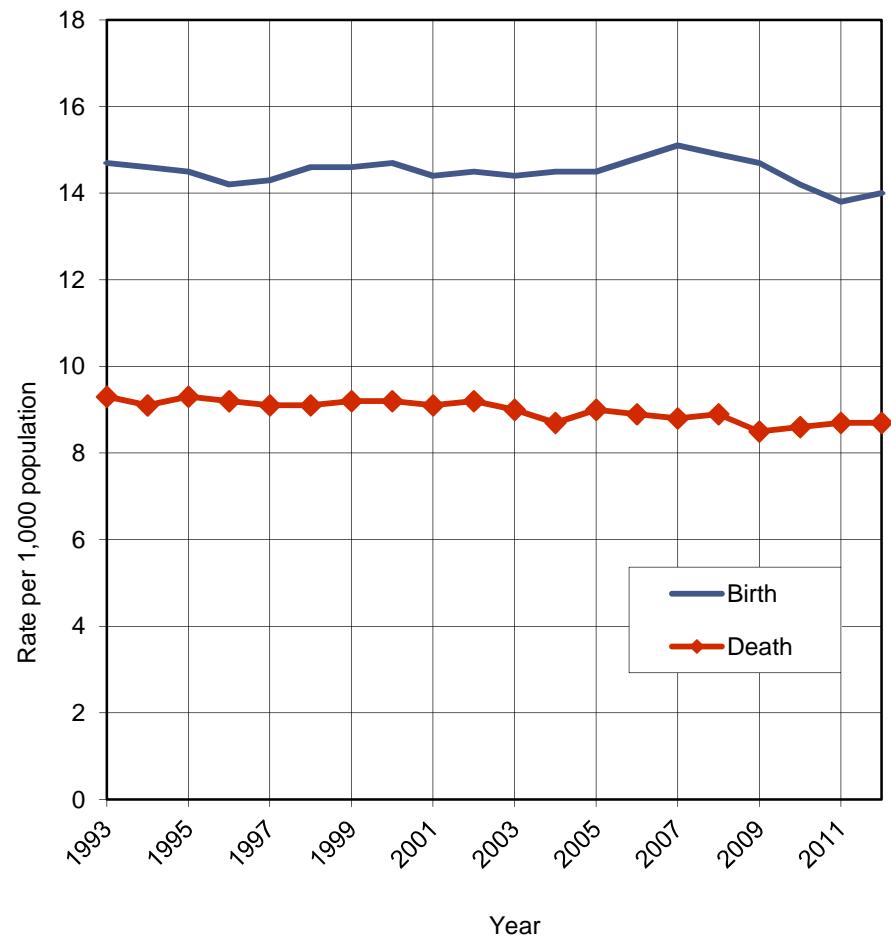
¶ See Technical Notes for Information on updated definition of Maternal Mortality

Per 100,000 live births

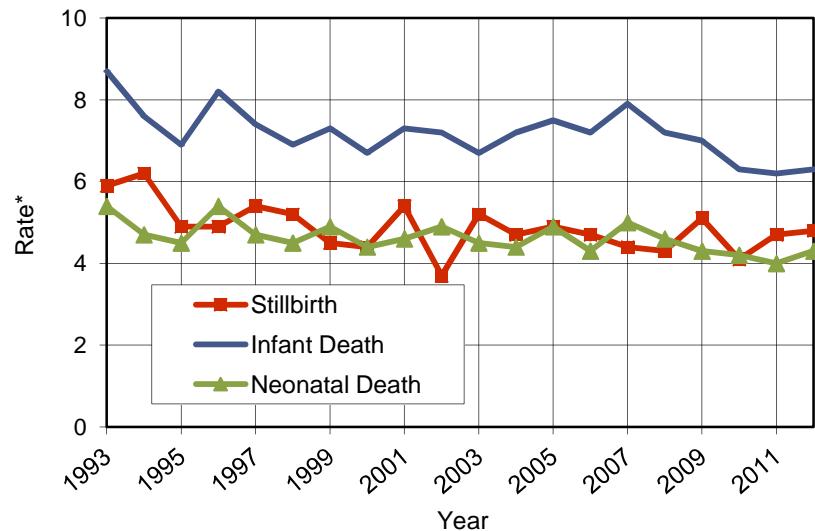
Selected Vital Event Rates

Kansas, 1993-2012

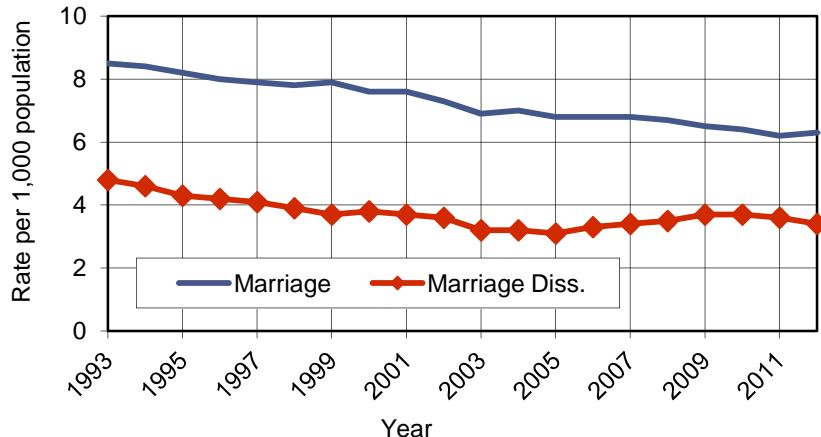
Birth and Death Rates
Kansas, 1993-2012



Stillbirth, Infant, and Neonatal Death Rates
Kansas, 1993-2012



Marriage and Marriage Dissolution Rates
Kansas, 1993-2012



* Stillbirth rates are per 1,000 Livebirths + Stillbirths;

Infant death and Neonatal death rates are per 1,000 Livebirths.

Figure 3

Table 3
Selected Vital Events by Population Group
Kansas, 2012

Births and Birth Rates								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Births	40,304	28,995	2,682	196	1,207	916	6,286	22
Birth Rates [†]	14.0	13.0	15.9	8.3	16.2	13.7	19.8	n/a
Maternal Characteristics								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Births to mother <18 years of age	861	432	90	8	5	34	292	0
Births to mother <20 years of age	3,331	1,915	345	21	30	125	894	1
Births to mother with < HS diploma or GED	5,879	2,485	473	46	112	172	2,586	5
Out-of-wedlock births	14,805	8,857	1,916	128	173	418	3,306	7
Fourth and higher birth order [‡]	5,379	3,418	483	33	87	122	1,229	7
Birth Outcomes								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Low birth weight infants (<2500 grams)	2,888	1,892	353	11	115	81	435	1
Very low birth weight infants (<1500 grams)	547	338	90	3	13	14	88	1
Births with gestational age < 37 weeks	3,629	2,499	350	22	120	96	542	0
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Infant deaths [‡]	6.3	5.0	14.2	5.1	2.5	12.0	8.6	n/a
Neonatal deaths [‡]	4.3	3.3	10.8	0.0	0.8	6.6	6.4	n/a
Postneonatal deaths [‡]	2.0	1.7	3.4	5.1	1.7	5.5	2.2	n/a
Stillbirths [§]	4.8	3.9	6.7	5.1	4.9	1.1	8.7	n/a
Perinatal [§]	7.9	6.5	15.2	5.1	5.8	7.6	14.4	n/a
Pregnancy Characteristics								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Births to women with prenatal care in first trimester	31,457	23,778	1,829	130	936	646	4,126	12
Births to women with late (3rd trimester) or no prenatal care	1,554	813	189	15	58	52	424	3
Plural births	1,400	1,049	120	6	45	21	159	0
Deaths and Death Rates								
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Deaths	25,084	22,549	1,234	180	152	234	695	40
Death Rates [†]	8.7	10.1	7.3	7.6	2.0	n/a	2.2	n/a
Age-Adjusted death rates [¶]	759.0	759.9	949.0	1110.0	396.7	n/a	539.5	n/a

* Includes selection of two or more races or other non-specified race

[†] Rate per 1,000 population

[‡] Rate per 1,000 live births

[§] Rate per 1,000 live births + Stillbirths

[¶] Rate per 100,000 standard U.S. 2000 population

Number of infants born to mothers who had at least three prior births

~ Number of infants who were twins or higher order multiple

POPULATION

Table 4
Population by County and by Peer Group*
Kansas, 2008-2012

County of Residence						Percent Change 2008-2012
	2008	2009	2010	2011	2012	
Kansas	2,802,134	2,818,747	2,853,118	2,871,238	2,885,905	3.0
Allen	13,319	13,203	13,371	13,331	13,319	0.0
Anderson	7,984	7,872	8,102	8,070	7,917	-0.8
Atchison	16,481	16,411	16,924	16,793	16,813	2.0
Barber	4,674	4,593	4,861	4,888	4,861	4.0
Barton	27,703	27,464	27,674	27,841	27,557	-0.5
Bourbon	14,851	14,884	15,173	14,985	14,897	0.3
Brown	10,009	9,927	9,984	10,010	9,881	-1.3
Butler	63,562	64,084	65,880	65,817	65,827	3.6
Chase	2,804	2,798	2,790	2,817	2,757	-1.7
Chautauqua	3,768	3,745	3,669	3,584	3,571	-5.2
Cherokee	21,082	21,064	21,603	21,385	21,226	0.7
Cheyenne	2,742	2,700	2,726	2,718	2,678	-2.3
Clark	2,108	2,081	2,215	2,143	2,181	3.5
Clay	8,859	8,704	8,535	8,573	8,531	-3.7
Cloud	9,453	9,263	9,533	9,365	9,397	-0.6
Coffey	8,409	8,436	8,601	8,533	8,502	1.1
Comanche	1,950	1,873	1,891	1,884	1,913	-1.9
Cowley	34,065	33,634	36,311	36,272	36,288	6.5
Crawford	38,868	38,869	39,134	39,220	39,361	1.3
Decatur	2,912	2,855	2,961	2,915	2,871	-1.4
Dickinson	19,328	19,015	19,754	19,739	19,762	2.2
Doniphan	7,753	7,624	7,945	7,945	7,864	1.4
Douglas	114,748	116,383	110,826	112,211	112,864	-1.6
Edwards	3,082	3,071	3,037	3,020	2,979	-3.3
Elk	3,047	3,001	2,882	2,811	2,720	-10.7
Ellis	27,801	27,739	28,452	28,742	29,053	4.5
Ellsworth	6,250	6,179	6,497	6,483	6,494	3.9
Finney	40,998	42,074	36,776	37,083	37,200	-9.3
Ford	33,293	33,692	33,848	34,568	34,752	4.4
Franklin	26,562	26,441	25,992	25,931	25,906	-2.5
Geary	31,171	31,751	34,362	35,323	38,013	21.9
Gove	2,548	2,480	2,695	2,697	2,729	7.1
Graham	2,592	2,435	2,597	2,641	2,578	-0.5
Grant	7,395	7,353	7,829	7,964	7,923	7.1
Gray	5,688	6,005	6,006	6,113	6,030	6.0
Greeley	1,266	1,234	1,247	1,258	1,298	2.5
Greenwood	6,861	6,666	6,689	6,644	6,454	-5.9
Hamilton	2,631	2,625	2,690	2,666	2,639	0.3
Harper	5,857	5,667	6,034	5,993	5,911	0.9
Harvey	33,675	34,247	34,684	34,846	34,852	3.5
Haskell	3,919	4,006	4,256	4,285	4,256	8.6
Hodgeman	1,948	1,906	1,916	1,966	1,963	0.8
Jackson	13,240	13,412	13,462	13,433	13,449	1.6
Jefferson	18,421	18,207	19,126	18,941	18,945	2.8
Jewell	3,142	3,059	3,077	3,096	3,046	-3.1
Johnson	534,093	542,737	544,179	552,991	559,913	4.8
Kearny	4,159	4,169	3,977	3,987	3,968	-4.6
Kingman	7,719	7,571	7,858	7,853	7,863	1.9
Kiowa	2,541	2,322	2,553	2,549	2,496	-1.8
Labette	21,871	21,776	21,607	21,511	21,284	-2.7
Lane	1,743	1,742	1,750	1,749	1,704	-2.2
Leavenworth	74,276	75,227	76,227	77,176	77,739	4.7
Lincoln	3,261	3,123	3,241	3,215	3,174	-2.7
Linn	9,616	9,335	9,656	9,612	9,441	-1.8
Logan	2,593	2,549	2,756	2,783	2,784	7.4

Table 4
Population by County and by Peer Group*
Kansas, 2008-2012

County of Residence						Percent Change 2008-2012
	2008	2009	2010	2011	2012	
Lyon	35,562	33,601	33,690	33,764	33,748	-5.1
McPherson	29,044	28,866	29,180	29,241	29,356	1.1
Marion	12,100	11,982	12,660	12,538	12,347	2.0
Marshall	10,178	10,123	10,117	10,005	10,022	-1.5
Meade	4,359	4,407	4,575	4,531	4,396	0.8
Miami	30,989	30,969	32,787	32,715	32,612	5.2
Mitchell	6,292	6,344	6,373	6,295	6,355	1.0
Montgomery	34,395	34,254	35,471	34,911	34,459	0.2
Morris	6,037	5,994	5,923	5,888	5,854	-3.0
Morton	2,978	3,031	3,233	3,198	3,169	6.4
Nemaha	10,112	9,968	10,178	10,113	10,132	0.2
Neosho	16,223	16,046	16,512	16,449	16,406	1.1
Ness	2,945	2,835	3,107	3,120	3,068	4.2
Norton	5,370	5,330	5,671	5,635	5,612	4.5
Osage	16,327	16,104	16,295	16,306	16,142	-1.1
Osborne	3,804	3,849	3,858	3,847	3,806	0.1
Ottawa	6,026	5,974	6,091	6,119	6,072	0.8
Pawnee	6,291	6,206	6,973	7,011	6,928	10.1
Phillips	5,339	5,272	5,642	5,555	5,519	3.4
Pottawatomie	19,695	19,994	21,604	21,920	22,302	13.2
Pratt	9,411	9,304	9,656	9,676	9,728	3.4
Rawlins	2,503	2,425	2,519	2,512	2,560	2.3
Reno	63,427	63,357	64,511	64,607	64,438	1.6
Republic	4,812	4,808	4,980	4,907	4,858	1.0
Rice	10,060	10,079	10,083	10,076	9,985	-0.7
Riley	71,069	71,341	71,115	72,997	75,508	6.2
Rooks	5,136	4,984	5,181	5,182	5,223	1.7
Rush	3,232	3,143	3,307	3,238	3,220	-0.4
Russell	6,641	6,596	6,970	6,956	6,946	4.6
Saline	54,657	54,364	55,606	55,844	55,988	2.4
Scott	4,577	4,560	4,936	4,910	4,937	7.9
Sedgwick	482,863	490,864	498,365	501,076	503,889	4.4
Seward	23,016	23,013	22,952	23,328	23,547	2.3
Shawnee	174,709	176,255	177,934	178,941	178,991	2.5
Sheridan	2,510	2,435	2,556	2,552	2,538	1.1
Sherman	6,013	5,860	6,010	6,054	6,113	1.7
Smith	3,901	3,753	3,853	3,834	3,765	-3.5
Stafford	4,326	4,342	4,437	4,371	4,358	0.7
Stanton	2,148	2,107	2,235	2,250	2,175	1.3
Stevens	5,056	5,129	5,724	5,613	5,756	13.8
Sumner	23,616	23,488	24,132	23,787	23,674	0.2
Thomas	7,277	7,343	7,900	7,977	7,941	9.1
Trego	2,882	2,920	3,001	2,930	2,986	3.6
Wabaunsee	6,922	6,846	7,053	7,026	7,039	1.7
Wallace	1,404	1,408	1,485	1,527	1,517	8.0
Washington	5,791	5,683	5,799	5,845	5,758	-0.6
Wichita	2,148	2,109	2,234	2,276	2,256	5.0
Wilson	9,698	9,474	9,409	9,300	9,105	-6.1
Woodson	3,285	3,240	3,309	3,292	3,278	-0.2
Wyandotte	154,287	155,085	157,505	158,224	159,129	3.1
Peer Group						
Frontier	86,557	85,038	113,811	113,453	112,514	30.0
Rural	271,777	269,582	238,338	237,591	236,318	-13.0
Densely -Settled Rural	424,887	424,298	476,391	477,364	477,584	12.4
Semi-Urban	558,213	558,505	459,542	462,211	466,964	-16.3
Urban	1,460,700	1,481,324	1,565,036	1,580,619	1,592,525	9.0

Source: U.S. Bureau of the Census

* See Technical Notes for Peer Group definition. Several counties changed groups as of the 2010 Census.

Table 5
City Population*
Kansas, 2008-2012

City of Residence	Year					Percent Change 2008-2012
	2008	2009	2010	2011	2012	
Abilene	6,400	6,268	6,844	6,839	6,771	5.8
Andover	10,351	10,581	11,791	11,779	12,099	16.9
Arkansas City	11,070	10,977	12,415	12,401	12,340	11.5
Atchison	10,402	10,432	11,021	10,943	10,953	5.3
Augusta	8,693	8,743	9,274	9,265	9,217	6.0
Baldwin City	4,308	4,401	4,515	4,569	4,526	5.1
Basehor	4,230	4,392	4,665	4,692	4,787	13.2
Baxter Springs	4,153	4,144	4,238	4,195	4,162	0.2
Bel Aire	6,797	6,873	6,769	6,806	6,838	0.6
Beloit	3,640	3,665	3,835	3,789	3,830	5.2
Bonner Springs	7,161	7,248	7,314	7,346	7,419	3.6
Burlington	2,679	2,676	2,674	2,654	2,652	-1.0
Chanute	8,843	8,738	9,119	9,085	9,161	3.6
Clay Center	4,442	4,366	4,334	4,354	4,315	-2.9
Coffeyville	10,312	10,244	10,295	10,137	9,993	-3.1
Colby	4,803	4,834	5,387	5,438	5,406	12.6
Columbus	3,185	3,177	3,312	3,278	3,250	2.0
Concordia	5,208	5,109	5,395	5,302	5,320	2.2
Derby	22,517	22,923	22,158	22,279	22,943	1.9
De Soto	5,420	5,488	5,720	5,813	5,869	8.3
Dodge City	25,689	25,955	27,340	27,921	28,075	9.3
Edwardsville	4,462	4,528	4,340	4,360	4,377	-1.9
El Dorado	12,591	12,643	13,021	13,008	12,900	2.5
Ellsworth	2,858	2,817	3,120	3,113	3,116	9.0
Emporia	26,380	24,868	24,916	24,971	24,958	-5.4
Eudora	6,226	6,260	6,136	6,217	6,184	-0.7
Eureka	2,559	2,483	2,633	2,616	2,537	-0.9
Fairway	3,843	3,891	3,882	3,945	3,939	2.5
Fort Scott	7,941	7,938	8,087	7,990	7,934	-0.1
Frontenac	3,192	3,201	3,437	3,445	3,459	8.4
Galena	3,126	3,119	3,085	3,054	3,029	-3.1
Garden City	28,557	28,532	26,658	26,880	26,985	-5.5
Gardner	17,462	17,852	19,123	19,433	20,318	16.4
Garnett	3,222	3,163	3,415	3,402	3,325	3.2
Girard	2,722	2,710	2,789	2,796	2,796	2.7
Goddard	3,869	4,048	4,413	4,367	4,532	17.1
Goodland	4,388	4,276	4,489	4,522	4,559	3.9
Great Bend	15,564	15,652	15,995	16,092	15,923	2.3
Hays	20,368	20,360	20,510	20,717	20,993	3.1
Haysville	10,364	10,496	10,826	10,883	10,951	5.7
Herington	2,451	2,395	2,526	2,525	2,493	1.7
Hesston	3,741	3,829	3,709	3,725	3,742	0.0
Hiawatha	3,169	3,182	3,172	3,181	3,133	-1.1
Hillsboro	2,638	2,613	2,993	2,969	2,926	10.9
Hoisington	2,883	2,797	2,706	2,723	2,691	-6.7
Holton	3,258	3,289	3,329	3,322	3,302	1.4
Hugoton	3,411	3,455	3,904	3,829	3,927	15.1
Hutchinson	40,889	40,795	42,080	42,142	41,962	2.6
Independence	9,245	9,198	9,483	9,332	9,242	0.0
Iola	5,782	5,719	5,704	5,687	5,698	-1.5
Junction City	20,671	20,932	23,353	24,015	25,817	24.9
Kansas City	142,562	143,209	145,786	146,453	147,268	3.3

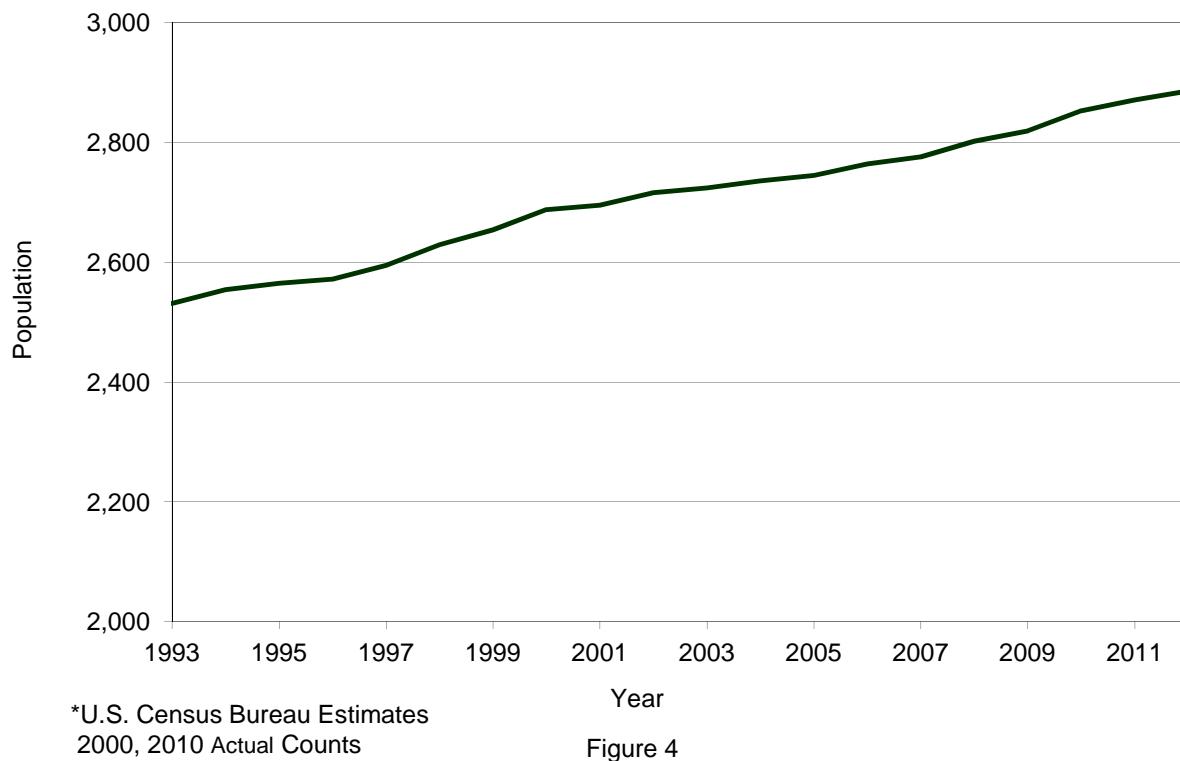
Table 5
City Population*
Kansas, 2008-2012

City of Residence	Year					Percent Change 2008-2012
	2008	2009	2010	2011	2012	
Kingman	2,996	2,931	3,177	3,176	3,169	5.8
Lansing	10,691	10,804	11,265	11,385	11,591	8.4
Larned	3,599	3,540	4,054	4,080	4,023	11.8
Lawrence	90,520	92,048	87,643	88,727	89,512	-1.1
Leavenworth	34,729	35,081	35,251	35,675	35,816	3.1
Leawood	31,342	31,766	31,867	32,389	32,539	3.8
Lenexa	46,822	48,087	48,190	48,972	49,398	5.5
Liberal	20,074	20,048	20,525	20,861	21,084	5.0
Lindsborg	3,245	3,224	3,458	3,465	3,464	6.7
Louisburg	3,940	3,906	4,315	4,305	4,282	8.7
Lyons	3,399	3,400	3,739	3,736	3,733	9.8
McPherson	13,396	13,323	13,155	13,182	13,218	-1.3
Maize	3,094	3,346	3,482	3,437	3,708	19.8
Manhattan	52,284	52,836	52,281	53,678	56,069	7.2
Marysville	3,126	3,105	3,294	3,261	3,295	5.4
Merriam	10,814	11,132	11,003	11,180	11,174	3.3
Mission	9,765	9,865	9,323	9,475	9,467	-3.1
Mission Hills	3,568	3,622	3,498	3,554	3,564	-0.1
Mulvane	5,866	5,915	6,111	6,127	6,267	6.8
Newton	18,133	18,437	19,132	19,230	19,189	5.8
Norton	2,651	2,657	2,928	2,908	2,871	8.3
Olathe	119,993	121,962	125,872	127,907	130,045	8.4
Osage City	2,824	2,770	2,943	2,945	2,903	2.8
Osawatomie	4,488	4,541	4,447	4,437	4,388	-2.2
Ottawa	12,850	12,887	12,649	12,620	12,575	-2.1
Overland Park	171,231	174,907	173,372	176,185	178,919	4.5
Paola	5,351	5,346	5,602	5,590	5,550	3.7
Park City	7,787	8,029	7,297	7,336	7,446	-4.4
Parsons	11,065	10,996	10,500	10,454	10,327	-6.7
Phillipsburg	2,367	2,349	2,581	2,542	2,520	6.5
Pittsburg	19,649	19,639	20,233	20,276	20,360	3.6
Prairie Village	21,479	21,703	21,447	21,795	21,769	1.4
Pratt	6,397	6,315	6,835	6,850	6,880	7.6
Roeland Park	6,960	7,026	6,731	6,841	6,816	-2.1
Rose Hill	4,034	4,091	3,931	3,928	3,932	-2.5
Russell	4,217	4,185	4,506	4,497	4,481	6.3
Sabetha	2,482	2,450	2,571	2,555	2,559	3.1
St Marys	2,277	2,301	2,631	2,664	2,656	16.6
Salina	46,483	46,180	47,707	47,910	48,045	3.4
Scott City	3,502	3,488	3,816	3,796	3,817	9.0
Shawnee	60,954	61,712	62,209	63,219	63,622	4.4
Spring Hill	5,227	5,281	5,437	5,483	5,612	7.4
Tonganoxie	4,305	4,416	4,996	5,065	5,108	18.7
Topeka	123,446	124,331	127,473	128,188	127,939	3.6
Ulysses	5,557	5,515	6,161	6,267	6,239	12.3
Valley Center	6,521	6,638	6,822	6,861	6,965	6.8
Wamego	4,312	4,372	4,372	4,435	4,485	4.0
Wellington	7,735	7,677	8,172	8,057	7,997	3.4
Wichita	366,046	372,186	382,368	384,445	385,577	5.3
Winfield	11,497	11,148	12,301	12,288	12,365	7.5

* Includes cities with populations of 2,500 or more as reported by the 2010 U.S. Census.

Source: U.S. Bureau of the Census; 2010 data are actual Census counts, not estimates.

Total Population
Kansas, 1993-2012* (in Thousands)



Rate of Natural Increase
Kansas, 1993-2012

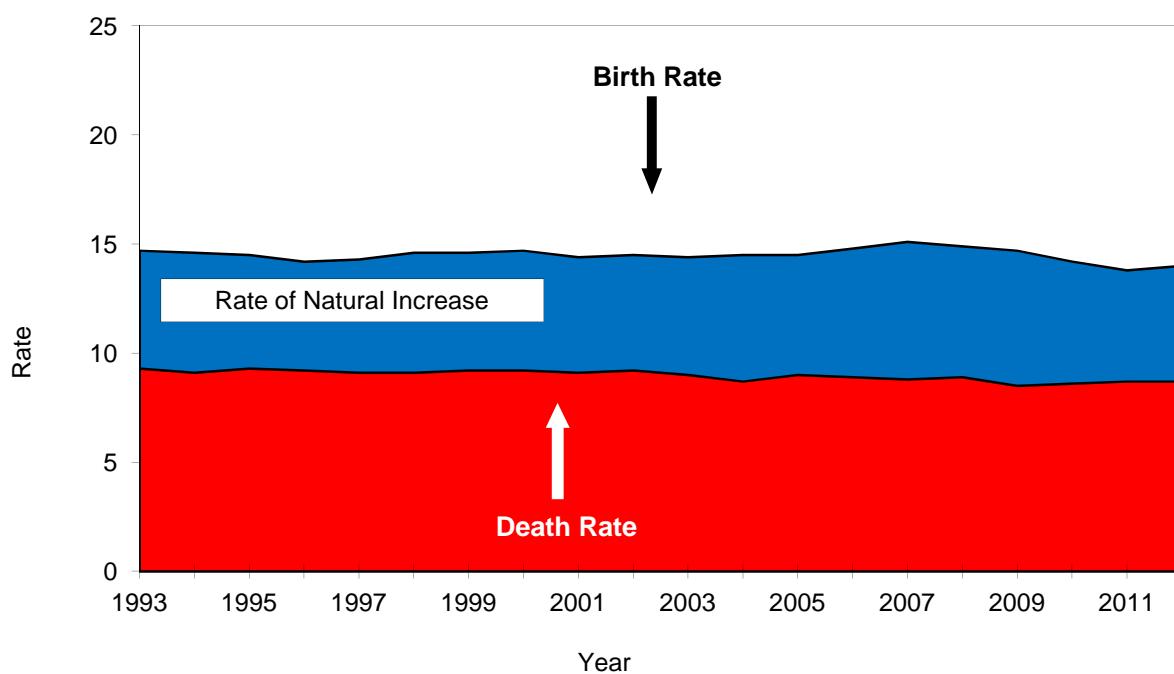


Figure 5

**Median Age
Kansas, 1993-2012**

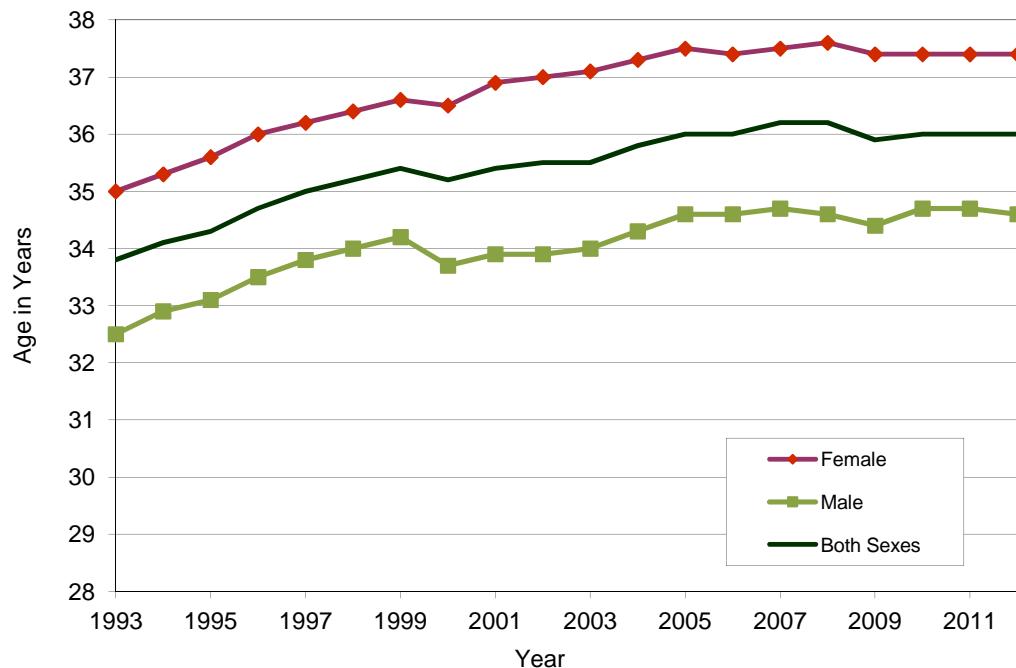


Figure 6

**Percent Change in Age-Group Population
Both Sexes, Kansas, 1993-2012**

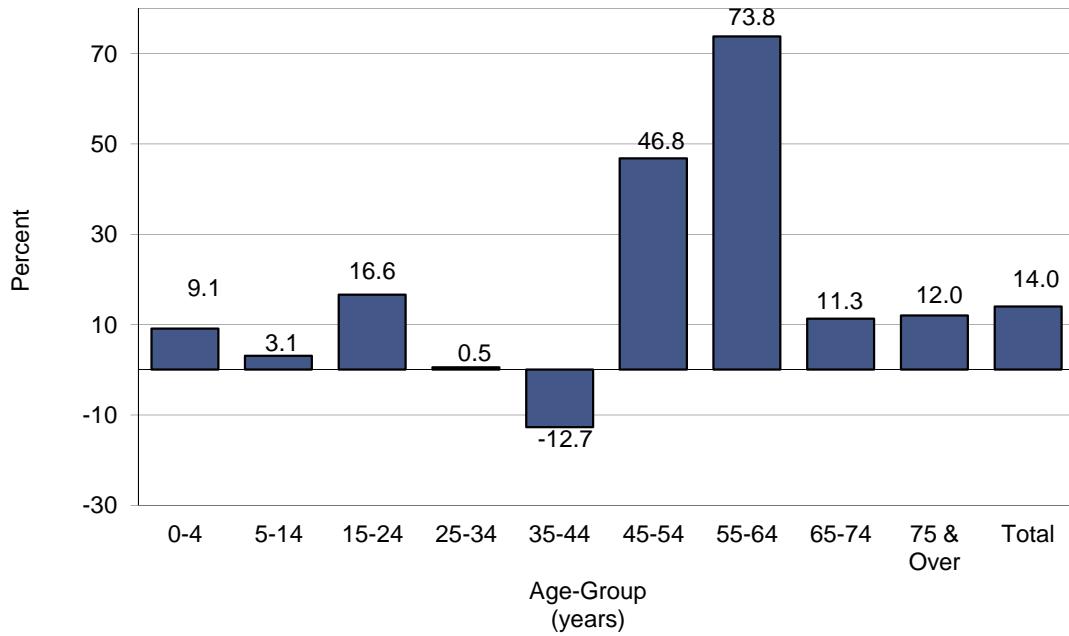


Figure 7

Table 6
 Population by Nine Selected Age-Groups and Sex*
 Kansas, 1993-2012
 (In Thousands)

Age-Group	Year																			Percent Change 1993-2012	
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Both Sexes																					
0-4	186	184	183	180	179	182	184	189	189	188	189	189	188	194	196	203	205	205	204	203	9.1
5-14	391	395	394	387	385	389	388	400	401	386	385	376	367	380	379	380	383	401	401	403	3.1
15-24	356	359	362	366	376	389	398	400	401	414	417	419	416	415	411	411	424	408	412	415	16.6
25-34	385	378	372	364	356	347	340	349	350	352	352	359	364	355	361	368	369	378	383	387	0.5
35-44	393	403	411	417	423	426	427	420	421	404	393	388	382	375	367	360	349	347	343	343	-12.7
45-54	265	278	289	302	317	329	343	354	355	378	384	392	399	403	406	408	404	406	399	389	46.8
55-64	202	203	203	203	207	213	220	220	221	239	249	260	271	284	296	306	317	331	346	351	73.8
65-74	186	187	183	182	179	178	175	176	176	171	170	170	170	171	174	180	183	190	195	207	11.3
75 and Over	167	167	168	170	173	176	179	180	181	184	184	184	187	186	186	187	184	186	187	187	12.0
Total [†]	2,531	2,554	2,565	2,572	2,595	2,629	2,654	2,688	2,695	2,716	2,724	2,736	2,745	2,764	2,776	2,802	2,819	2,853	2,871	2,886	14.0
Median Age	33.8	34.1	34.3	34.7	35.0	35.2	35.4	35.2	35.4	35.5	35.5	35.8	36.0	36.0	36.2	36.2	35.9	36.0	36.0	36.0	6.5
Males																					
0-4	95	95	94	93	92	94	94	97	97	97	98	98	98	99	100	103	105	105	104	104	9.5
5-14	201	203	203	199	198	200	199	205	206	198	197	193	189	195	195	195	196	206	206	206	2.5
15-24	184	185	186	189	194	200	205	207	207	214	216	216	215	215	213	214	221	211	213	216	17.4
25-34	194	191	188	183	179	173	170	179	179	181	182	185	188	183	186	190	189	192	195	198	2.1
35-44	199	204	208	211	214	216	216	210	211	202	197	195	192	188	185	182	177	175	173	173	-13.1
45-54	131	137	143	149	157	162	169	178	178	189	192	196	199	201	202	203	200	201	198	193	47.3
55-64	97	98	97	98	100	103	106	107	107	116	122	128	134	140	146	151	156	164	171	173	78.4
65-74	84	84	83	82	81	81	79	80	80	78	78	78	78	79	80	84	85	89	92	98	16.7
75 and Over	59	59	60	61	63	64	66	66	66	68	69	70	72	70	70	71	70	73	74	74	25.4
Total [†]	1,244	1,256	1,262	1,266	1,278	1,292	1,305	1,328	1,332	1,344	1,350	1,358	1,364	1,371	1,376	1,392	1,400	1,415	1,426	1,435	15.4
Median Age	32.5	32.9	33.1	33.5	33.8	34.0	34.2	33.7	33.9	33.9	34.0	34.3	34.6	34.6	34.7	34.6	34.4	34.7	34.7	34.6	6.5
Females																					
0-4	90	90	89	88	87	89	90	92	92	91	91	91	90	95	96	99	101	101	100	99	10.0
5-14	190	192	192	188	187	189	188	194	195	188	187	183	179	185	185	185	187	196	196	197	3.7
15-24	173	174	175	177	182	189	193	193	194	200	201	202	201	200	198	197	203	197	197	199	15.0
25-34	191	187	184	181	177	174	170	170	171	171	171	173	176	172	176	178	180	185	191	189	-1.0
35-44	194	199	203	206	209	211	211	210	211	202	196	193	190	187	183	179	171	172	170	170	-12.4
45-54	134	141	147	153	161	167	174	176	177	188	192	196	200	202	204	205	204	205	201	196	46.3
55-64	105	105	105	105	107	111	114	113	113	122	127	133	138	144	150	155	160	168	175	178	69.5
65-74	103	103	101	100	98	97	96	96	96	93	92	92	92	94	96	98	101	103	109	5.8	
75 and Over	108	108	108	109	110	112	113	115	115	116	114	114	115	116	116	116	115	113	113	113	4.6
Total [†]	1,288	1,298	1,304	1,306	1,317	1,337	1,349	1,360	1,363	1,372	1,373	1,377	1,381	1,393	1,400	1,410	1,419	1,438	1,445	1,451	12.7
Median Age	35.0	35.3	35.6	36.0	36.2	36.4	36.6	36.5	36.9	37.0	37.1	37.3	37.5	37.4	37.6	37.4	37.4	37.4	37.4	6.9	

* U.S. Census Bureau estimates for July 1, 1993-1999, 2002-2009, and 2011-2012.

U.S. Census Bureau counts for 2000 and 2010 are for April 1.

KDHE estimates for 2001 based on 2000 Census.

[†] Estimates may not add to totals due to rounding. See Technical Notes.

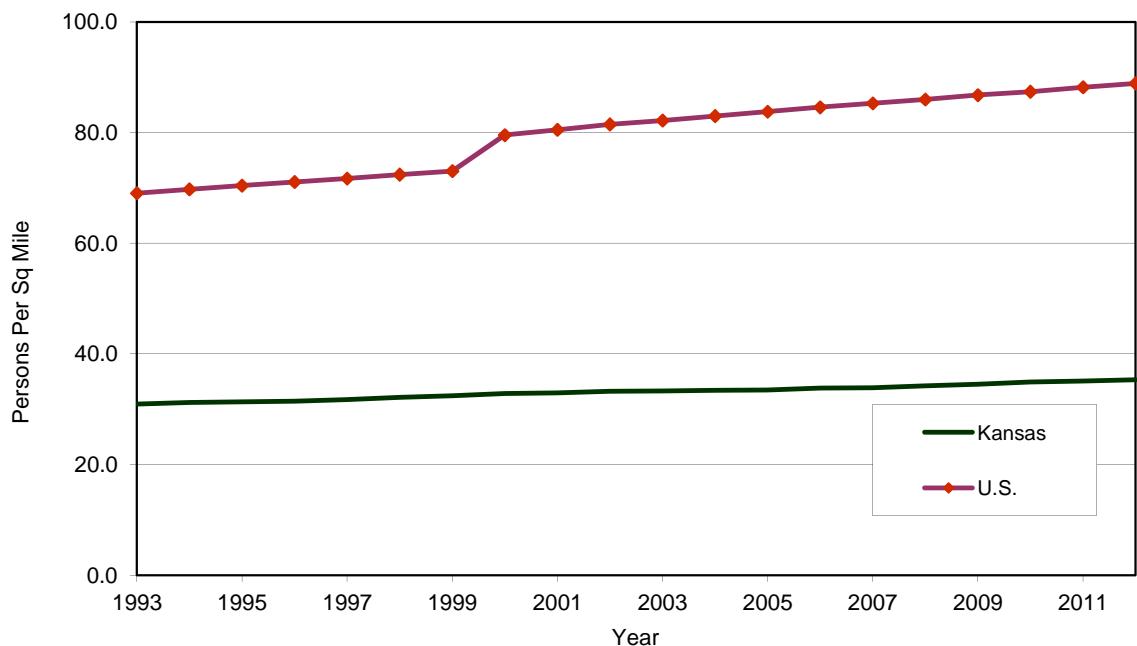
Table 7
Kansas Population 2012
by 11 Selected Age-Groups, Population Group and Sex*

Age-Group	Total	White Non-Hispanic		Black Non-Hispanic		Native American Non-Hispanic		Asian/Pacific Non-Hispanic		Multiple Race Non-Hispanic		Hispanic Any Race	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	2,885,905	1,103,151	1,132,285	86,264	81,964	11,688	11,845	35,685	38,967	33,128	33,867	165,365	151,696
<1	39,830	13,427	12,710	1,358	1,340	176	166	564	546	1,240	1,135	3,684	3,484
1-4	163,437	54,536	52,070	5,438	5,297	587	592	2,184	2,182	4,728	4,460	15,866	15,497
5-14	403,341	140,870	133,350	12,778	12,389	1,720	1,595	5,190	5,335	9,676	9,678	36,144	34,616
15-24	414,638	154,063	143,676	16,500	13,861	2,250	2,094	6,017	6,046	6,595	6,600	30,259	26,677
25-34	387,451	144,266	140,805	14,000	11,816	1,715	1,679	6,802	7,199	3,607	3,865	27,985	23,712
35-44	343,038	129,766	129,341	10,807	9,639	1,579	1,550	6,070	6,663	2,484	2,661	22,508	19,970
45-54	388,791	158,441	162,998	11,330	10,946	1,546	1,813	3,986	4,502	2,090	2,310	15,226	13,603
55-64	351,110	151,111	155,244	8,210	8,397	1,214	1,291	2,777	3,693	1,552	1,662	8,286	7,673
65-74	206,830	87,895	97,494	3,667	4,506	605	679	1,438	1,824	755	874	3,369	3,724
75-84	125,271	49,201	65,688	1,684	2,649	237	288	528	751	299	418	1,573	1,955
85+	62,168	19,575	38,909	492	1,124	59	98	129	226	102	204	465	785

*U.S. Census Bureau estimates for 2012.

Population Density

Kansas and the U.S., 1993-2012



Source: Kansas and U.S. Statistical Abstracts and U.S. Census Bureau

Figure 8

Table 8
Kansas Population
by Population Group and County of Residence
2012

County of Residence	Total	Population Group					
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Multiple Race Non-Hispanic	Hispanic Any Race
Kansas	2,885,905	2,235,436	168,228	23,533	74,652	66,995	317,061
Allen	13,319	12,168	271	100	74	308	398
Anderson	7,917	7,522	49	50	49	114	133
Atchison	16,813	14,960	852	99	91	382	429
Barber	4,861	4,588	30	27	22	63	131
Barton	27,557	22,855	348	115	94	345	3,800
Bourbon	14,897	13,622	437	91	93	325	329
Brown	9,881	8,287	131	831	41	247	344
Butler	65,827	59,659	1,115	567	535	1,260	2,691
Chase	2,757	2,556	36	17	10	38	100
Chautauqua	3,571	3,142	21	159	7	141	101
Cherokee	21,226	18,881	139	830	135	788	453
Cheyenne	2,678	2,481	4	5	20	15	153
Clark	2,181	1,897	12	13	26	50	183
Clay	8,531	8,105	47	31	33	105	210
Cloud	9,397	8,851	69	37	25	123	292
Coffey	8,502	8,035	57	64	40	117	189
Comanche	1,913	1,783	8	2	8	24	88
Cowley	36,288	29,510	979	637	608	1,003	3,551
Crawford	39,361	34,721	794	380	630	888	1,948
Decatur	2,871	2,751	17	12	9	27	55
Dickinson	19,762	18,171	191	97	84	352	867
Doniphan	7,864	7,138	249	106	23	160	188
Douglas	112,864	91,258	4,632	2,578	4,710	3,522	6,164
Edwards	2,979	2,339	8	16	14	31	571
Elk	2,720	2,507	3	31	11	79	89
Ellis	29,053	26,425	295	70	401	367	1,495
Ellsworth	6,494	5,636	314	38	41	91	374
Finney	37,200	16,707	852	152	1,330	399	17,760
Ford	34,752	14,681	833	143	583	392	18,120
Franklin	25,906	23,756	350	174	106	542	978
Geary	38,013	22,765	6,403	304	1,452	1,845	5,244
Gove	2,729	2,632	7	2	12	22	54
Graham	2,578	2,321	103	12	12	65	65
Grant	7,923	4,203	28	28	34	65	3,565
Gray	6,030	5,036	29	18	16	53	878
Greeley	1,298	1,084	2	4	5	12	191
Greenwood	6,454	5,977	24	73	18	118	244
Hamilton	2,639	1,736	10	21	12	24	836
Harper	5,911	5,372	28	69	8	70	364
Harvey	34,852	29,366	556	188	304	619	3,819
Haskell	4,256	2,956	7	16	38	36	1,203
Hodgeman	1,963	1,790	19	5	8	24	117
Jackson	13,449	11,440	76	999	52	372	510
Jefferson	18,945	17,878	117	185	49	298	418
Jewell	3,046	2,916	9	22	9	25	65
Johnson	559,913	454,921	25,652	1,795	25,062	11,134	41,349
Kearny	3,968	2,679	26	37	18	53	1,155
Kingman	7,863	7,431	17	46	45	110	214
Kiowa	2,496	2,289	15	23	21	28	120
Labette	21,284	18,103	964	401	107	809	900
Lane	1,704	1,571	11	9	4	27	82
Leavenworth	77,739	61,979	7,118	548	1,097	2,022	4,975
Lincoln	3,174	3,026	12	14	10	34	78
Linn	9,441	8,951	55	63	37	134	201
Logan	2,784	2,581	17	17	25	37	107

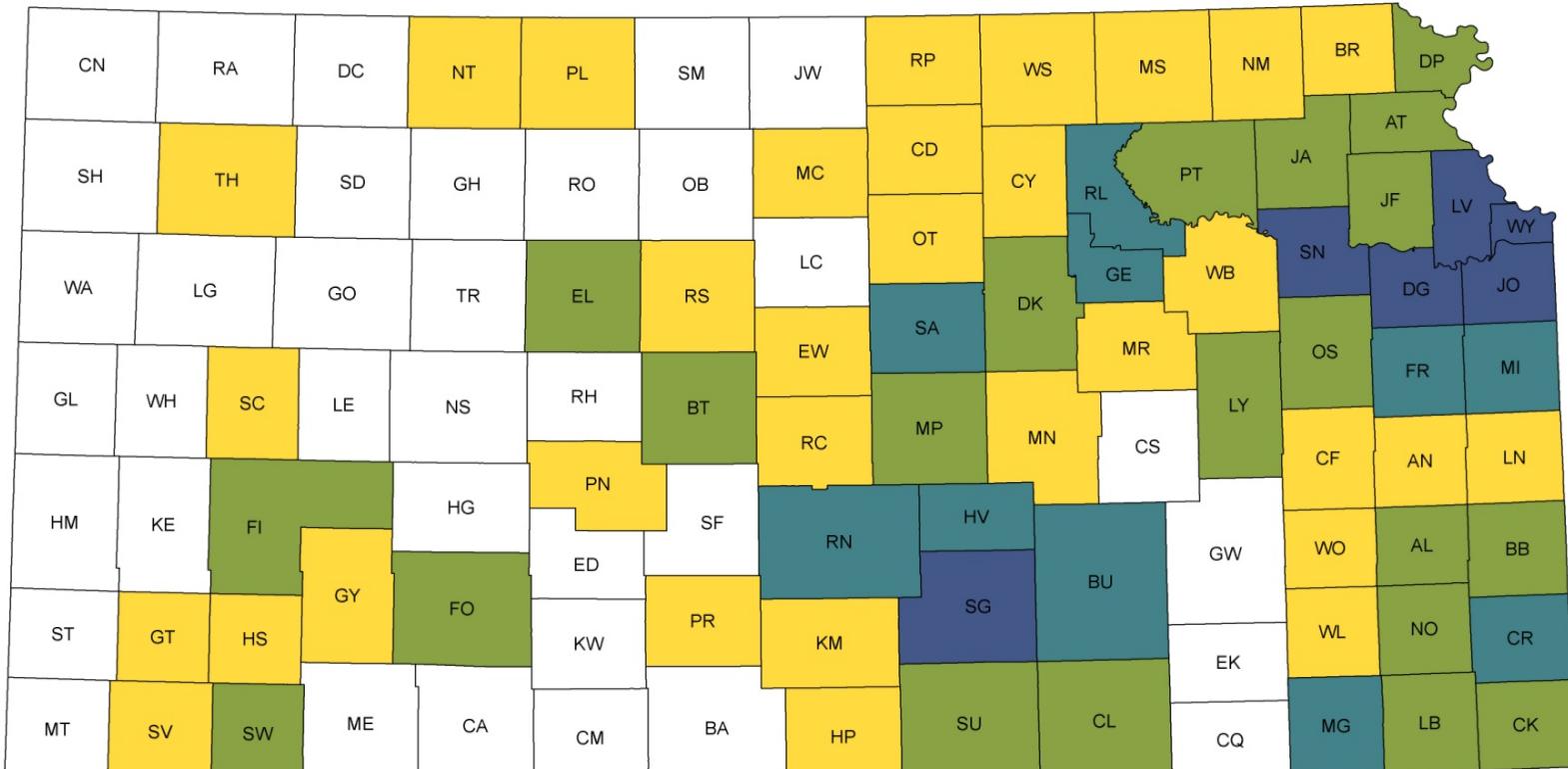
Table 8
Kansas Population
by Population Group and County of Residence
2012

County of Residence	Total	Population Group					
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Multiple Race Non-Hispanic	Hispanic Any Race
Lyon	33,748	24,420	773	211	851	598	6,895
McPherson	29,356	27,180	320	100	217	449	1,090
Marion	12,347	11,635	106	65	41	170	330
Marshall	10,022	9,599	33	32	31	132	195
Meade	4,396	3,561	35	30	17	60	693
Miami	32,612	30,368	428	180	133	556	947
Mitchell	6,355	6,120	18	23	23	47	124
Montgomery	34,459	27,773	1,946	1,046	250	1,495	1,949
Morris	5,854	5,451	35	27	16	90	235
Morton	3,169	2,367	19	26	57	57	643
Nemaha	10,132	9,720	52	47	30	130	153
Neosho	16,406	14,938	196	158	101	275	738
Ness	3,068	2,745	17	8	3	26	269
Norton	5,612	5,082	167	13	40	69	241
Osage	16,142	15,281	59	119	43	261	379
Osborne	3,806	3,683	11	13	16	30	53
Ottawa	6,072	5,774	57	25	13	68	135
Pawnee	6,928	5,912	334	41	34	109	498
Phillips	5,519	5,237	26	17	38	63	138
Pottawatomie	22,302	20,156	250	148	192	461	1,095
Pratt	9,728	8,732	121	38	50	174	613
Rawlins	2,560	2,414	14	3	5	24	100
Reno	64,438	55,142	1,911	380	327	1,188	5,490
Republic	4,858	4,719	23	12	16	24	64
Rice	9,985	8,518	121	61	50	181	1,054
Riley	75,508	59,182	4,925	374	3,247	2,173	5,607
Rooks	5,223	5,009	25	8	22	54	105
Rush	3,220	3,048	11	19	5	34	103
Russell	6,946	6,551	59	43	47	94	152
Saline	55,988	45,559	1,776	247	1,231	1,418	5,757
Scott	4,937	4,031	17	28	27	21	813
Sedgwick	503,889	350,225	45,334	4,410	21,118	15,207	67,595
Seward	23,547	8,067	760	94	680	309	13,637
Shawnee	178,991	134,728	14,477	1,687	2,316	5,539	20,244
Sheridan	2,538	2,424	3	6	4	21	80
Sherman	6,113	5,193	39	23	63	76	719
Smith	3,765	3,610	13	10	15	56	61
Stafford	4,358	3,661	12	37	17	51	580
Stanton	2,175	1,317	16	19	2	21	800
Stevens	5,756	3,746	22	45	17	54	1,872
Sumner	23,674	21,510	226	243	73	450	1,172
Thomas	7,941	7,306	58	27	65	88	397
Trego	2,986	2,869	16	6	15	24	56
Wabaunsee	7,039	6,601	41	47	17	111	222
Wallace	1,517	1,379	3	8	1	12	114
Washington	5,758	5,474	30	9	20	58	167
Wichita	2,256	1,608	17	5	5	14	607
Wilson	9,105	8,502	40	89	43	181	250
Woodson	3,278	3,084	14	32	2	65	81
Wyandotte	159,129	68,230	38,774	823	4,698	3,793	42,811

*U.S. Census Bureau 2012 population estimates.

Population Density By County of Residence

Kansas, 2012



Legend

	Under 6.0		6.0 - 19.9		20.0 - 39.9		40.0 - 149.9		150.0 and over
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Figure 9

PREGNANCY OUTCOMES

Table 9
 Live Births by Number and Rate*
 by County of Residence and by Peer Group[†]
 Kansas, 2008-2012

County of Residence	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Kansas	41,815	14.9	41,388	14.7	40,439	14.2	39,628	13.8	40,304	14.0	14.5	
Allen	183	13.7	166	12.6	137	10.2	153	11.5	154	11.6	12.4	
Anderson	112	14.0	105	13.3	106	13.1	108	13.4	85	10.7	13.8	
Atchison	204	12.4	224	13.6	225	13.3	212	12.6	204	12.1	13.0	
Barber	69	14.8	61	13.3	74	15.2	66	13.5	66	13.6	13.5	
Barton	383	13.8	366	13.3	355	12.8	379	13.6	401	14.6	13.7	
Bourbon	239	16.1	216	14.5	220	14.5	205	13.7	203	13.6	15.1	
Brown	155	15.5	145	14.6	127	12.7	161	16.1	136	13.8	14.7	
Butler	840	13.2	799	12.5	805	12.2	725	11.0	801	12.2	12.4	
Chase	29	10.3	24	8.6	23	8.2	23	8.2	26	9.4	8.8	
Chautauqua	45	11.9	37	9.9	25	6.8	38	10.6	40	11.2	9.9	
Cherokee	295	14.0	257	12.2	237	11.0	254	11.9	227	10.7	12.2	
Cheyenne	22	8.0	35	13.0	25	9.2	34	12.5	26	9.7	9.9	
Clark	26	12.3	23	11.1	27	12.2	22	10.3	30	13.8	11.8	
Clay	100	11.3	113	13.0	107	12.5	106	12.4	97	11.4	12.3	
Cloud	127	13.4	136	14.7	130	13.6	107	11.4	135	14.4	13.2	
Coffey	99	11.8	74	8.8	106	12.3	77	9.0	82	9.6	10.5	
Comanche	15	7.7	27	14.4	20	10.6	31	16.5	23	12.0	11.3	
Cowley	505	14.8	489	14.5	487	13.4	467	12.9	456	12.6	13.8	
Crawford	529	13.6	563	14.5	478	12.2	508	13.0	493	12.5	13.6	
Decatur	16	5.5	26	9.1	26	8.8	31	10.6	37	12.9	8.7	
Dickinson	221	11.4	240	12.6	284	14.4	240	12.2	205	10.4	12.9	
Doniphan	84	10.8	72	9.4	99	12.5	83	10.4	85	10.8	11.1	
Douglas	1,273	11.1	1,232	10.6	1,263	11.4	1,216	10.8	1,262	11.2	11.1	
Edwards	34	11.0	40	13.0	40	13.2	29	9.6	39	13.1	12.2	
Elk	25	8.2	40	13.3	35	12.1	17	6.0	27	9.9	9.9	
Ellis	385	13.8	406	14.6	375	13.2	408	14.2	406	14.0	14.0	
Ellsworth	50	8.0	75	12.1	56	8.6	69	10.6	67	10.3	9.8	
Finney	791	19.3	776	18.4	765	20.8	721	19.4	703	18.9	19.4	
Ford	724	21.7	698	20.7	677	20.0	700	20.2	673	19.4	20.5	
Franklin	333	12.5	352	13.3	337	13.0	304	11.7	324	12.5	12.8	
Geary	803	25.8	890	28.0	1,051	30.6	930	26.3	1,060	27.9	28.2	
Gove	30	11.8	36	14.5	29	10.8	35	13.0	30	11.0	12.9	
Graham	24	9.3	22	9.0	31	11.9	25	9.5	29	11.2	10.3	
Grant	145	19.6	147	20.0	128	16.3	127	15.9	112	14.1	17.8	
Gray	96	16.9	95	15.8	94	15.7	87	14.2	87	14.4	15.8	
Greeley	14	11.1	23	18.6	12	9.6	19	15.1	19	14.6	12.9	
Greenwood	86	12.5	66	9.9	58	8.7	65	9.8	59	9.1	10.6	
Hamilton	43	16.3	56	21.3	57	21.2	43	16.1	41	15.5	18.2	
Harper	74	12.6	84	14.8	72	11.9	68	11.3	66	11.2	12.6	
Harvey	466	13.8	458	13.4	463	13.3	428	12.3	463	13.3	13.3	
Haskell	77	19.6	83	20.7	61	14.3	52	12.1	58	13.6	16.1	
Hodgeman	23	11.8	21	11.0	22	11.5	21	10.7	28	14.3	11.0	
Jackson	175	13.2	169	12.6	165	12.3	156	11.6	176	13.1	12.4	
Jefferson	196	10.6	204	11.2	199	10.4	172	9.1	196	10.3	10.6	
Jewell	26	8.3	29	9.5	25	8.1	19	6.1	31	10.2	8.4	
Johnson	7,843	14.7	7,565	13.9	7,390	13.6	7,355	13.3	7,437	13.3	14.1	
Kearny	59	14.2	58	13.9	65	16.3	62	15.6	55	13.9	14.7	
Kingman	91	11.8	96	12.7	79	10.1	71	9.0	80	10.2	11.1	
Kiowa	23	9.1	29	12.5	28	11.0	38	14.9	32	12.8	10.8	
Labette	294	13.4	297	13.6	277	12.8	243	11.3	297	14.0	13.3	
Lane	19	10.9	22	12.6	16	9.1	22	12.6	22	12.9	11.1	
Leavenworth	961	12.9	963	12.8	946	12.4	967	12.5	966	12.4	12.7	
Lincoln	39	12.0	38	12.2	35	10.8	38	11.8	33	10.4	11.7	
Linn	114	11.9	101	10.8	92	9.5	101	10.5	97	10.3	11.2	
Logan	20	7.7	23	9.0	36	13.1	36	12.9	30	10.8	10.8	

Table 9
 Live Births by Number and Rate*
 by County of Residence and by Peer Group†
 Kansas, 2008-2012

County of Residence	Year										5-Year	
	2008		2009		2010		2011		2012			
	Number	Rate										
Lyon	494	13.9	474	14.1	426	12.6	420	12.4	421	12.5	13.7	
McPherson	381	13.1	364	12.6	300	10.3	347	11.9	366	12.5	11.8	
Marion	123	10.2	109	9.1	126	10.0	112	8.9	112	9.1	9.4	
Marshall	131	12.9	110	10.9	111	11.0	114	11.4	124	12.4	11.9	
Meade	66	15.1	55	12.5	52	11.4	72	15.9	45	10.2	13.6	
Miami	392	12.6	411	13.3	384	11.7	380	11.6	364	11.2	12.3	
Mitchell	69	11.0	85	13.4	66	10.4	84	13.3	74	11.6	11.4	
Montgomery	504	14.7	485	14.2	426	12.0	457	13.1	502	14.6	13.8	
Morris	58	9.6	58	9.7	54	9.1	64	10.9	73	12.5	10.1	
Morton	43	14.4	51	16.8	34	10.5	39	12.2	52	16.4	14.3	
Nemaha	122	12.1	138	13.8	131	12.9	125	12.4	126	12.4	12.7	
Neosho	217	13.4	203	12.7	226	13.7	214	13.0	230	14.0	13.3	
Ness	35	11.9	19	6.7	39	12.6	28	9.0	41	13.4	9.8	
Norton	41	7.6	56	10.5	47	8.3	49	8.7	53	9.4	8.7	
Osage	203	12.4	177	11.0	185	11.4	184	11.3	157	9.7	11.5	
Osborne	43	11.3	33	8.6	47	12.2	39	10.1	37	9.7	10.6	
Ottawa	58	9.6	61	10.2	80	13.1	46	7.5	68	11.2	10.8	
Pawnee	71	11.3	82	13.2	77	11.0	75	10.7	68	9.8	11.6	
Phillips	58	10.9	53	10.1	57	10.1	50	9.0	74	13.4	10.1	
Pottawatomie	340	17.3	350	17.5	382	17.7	354	16.1	370	16.6	17.4	
Pratt	142	15.1	122	13.1	113	11.7	164	16.9	149	15.3	13.8	
Rawlins	22	8.8	27	11.1	23	9.1	15	6.0	33	12.9	8.7	
Reno	851	13.4	847	13.4	762	11.8	759	11.7	742	11.5	12.7	
Republic	53	11.0	56	11.6	35	7.0	46	9.4	48	9.9	9.5	
Rice	116	11.5	116	11.5	129	12.8	119	11.8	119	11.9	12.1	
Riley	1,061	14.9	1,064	14.9	1,118	15.7	1,119	15.3	1,177	15.6	15.2	
Rooks	52	10.1	74	14.8	66	12.7	63	12.2	62	11.9	12.9	
Rush	31	9.6	27	8.6	30	9.1	26	8.0	31	9.6	9.7	
Russell	84	12.6	81	12.3	93	13.3	85	12.2	85	12.2	12.8	
Saline	846	15.5	861	15.8	805	14.5	756	13.5	766	13.7	14.8	
Scott	71	15.5	87	19.1	43	8.7	76	15.5	62	12.6	14.9	
Sedgwick	8,262	17.1	8,293	16.9	8,058	16.2	7,818	15.6	7,889	15.7	16.6	
Seward	561	24.4	571	24.8	468	20.4	451	19.3	462	19.6	22.4	
Shawnee	2,566	14.7	2,460	14.0	2,496	14.0	2,464	13.8	2,431	13.6	14.3	
Sheridan	32	12.7	29	11.9	20	7.8	31	12.1	26	10.2	10.7	
Sherman	86	14.3	63	10.8	83	13.8	72	11.9	82	13.4	13.1	
Smith	35	9.0	38	10.1	31	8.0	27	7.0	40	10.6	8.5	
Stafford	49	11.3	49	11.3	41	9.2	45	10.3	40	9.2	11.1	
Stanton	43	20.0	32	15.2	30	13.4	29	12.9	29	13.3	16.0	
Stevens	86	17.0	85	16.6	83	14.5	84	15.0	89	15.5	16.8	
Sumner	333	14.1	283	12.0	312	12.9	263	11.1	279	11.8	12.5	
Thomas	108	14.8	108	14.7	115	14.6	99	12.4	118	14.9	14.1	
Trego	30	10.4	31	10.6	27	9.0	27	9.2	24	8.0	10.2	
Wabaunsee	83	12.0	89	13.0	77	10.9	83	11.8	107	15.2	12.4	
Wallace	14	10.0	11	7.8	12	8.1	18	11.8	20	13.2	8.8	
Washington	57	9.8	69	12.1	57	9.8	61	10.4	68	11.8	11.1	
Wichita	25	11.6	30	14.2	35	15.7	23	10.1	31	13.7	13.4	
Wilson	136	14.0	116	12.2	128	13.6	114	12.3	123	13.5	13.4	
Woodson	27	8.2	44	13.6	43	13.0	31	9.4	28	8.5	10.8	
Wyandotte	2,850	18.5	2,859	18.4	2,754	17.5	2,732	17.3	2,770	17.4	18.1	
n.s.	--	N/A	--	N/A	--	N/A	1	N/A	0	N/A	N/A	
Peer Group												
Frontier	975	11.3	1,016	11.9	1,279	11.2	1,268	11.2	1,316	11.7	11.4	
Rural	3,427	12.6	3,437	12.7	2,823	11.5	2,815	11.5	2,870	12.1	12.2	
Densely-Settled Rural	6,539	15.4	6,359	15.0	6,801	14.5	6,626	14.1	6,671	14.0	14.8	
Semi-Urban	8,080	14.5	8,167	14.6	6,629	14.4	6,366	13.8	6,692	14.3	14.4	
Urban	22,794	15.6	22,409	15.1	22,907	14.6	22,552	14.3	22,755	14.3	15.1	

* Rate per 1,000 population

† See Technical Notes for Peer Group definition.

Table 10
Live Births by Number and Rate*
by Selected City of Residence
Kansas, 2008-2012

City of Residence	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Abilene	90	14.1	108	17.2	99	14.5	86	12.6	92	13.6	14.3	
Andover	174	16.8	189	17.9	173	14.7	176	14.9	164	13.6	15.5	
Arkansas City	235	21.2	248	22.6	240	19.3	196	15.8	208	16.9	19.0	
Atchison	153	14.7	196	18.8	162	14.7	161	14.7	156	14.2	15.4	
Augusta	130	15.0	134	15.3	138	14.9	109	11.8	150	16.3	14.6	
Baldwin City	55	12.8	40	9.1	52	11.5	37	8.1	46	10.2	10.3	
Basehor	61	14.4	61	13.9	65	13.9	66	14.1	54	11.3	13.5	
Baxter Springs	80	19.3	68	16.4	56	13.2	56	13.3	66	15.9	15.6	
Bel Aire	74	10.9	62	9.0	56	8.3	63	9.3	81	11.8	9.9	
Beloit	43	11.8	58	15.8	41	10.7	63	16.6	43	11.2	13.2	
Bonner Springs	93	13.0	111	15.3	98	13.4	99	13.5	105	14.2	13.9	
Burlington	31	11.6	28	10.5	40	15.0	23	8.7	31	11.7	11.5	
Chanute	143	16.2	129	14.8	148	16.2	119	13.1	152	16.6	15.4	
Clay Center	66	14.9	69	15.8	60	13.8	67	15.4	54	12.5	14.5	
Coffeyville	165	16.0	182	17.8	138	13.4	157	15.5	160	16.0	15.7	
Colby	76	15.8	77	15.9	86	16.0	72	13.2	87	16.1	15.4	
Columbus	52	16.3	67	21.1	40	12.1	53	16.2	43	13.2	15.7	
Concordia	74	14.2	86	16.8	82	15.2	65	12.3	79	14.8	14.7	
Derby	298	13.2	314	13.7	360	16.2	344	15.4	331	14.4	14.6	
De Soto	53	9.8	75	13.7	52	9.1	63	10.8	72	12.3	11.1	
Dodge City	655	25.5	643	24.8	608	22.2	628	22.5	612	21.8	23.3	
Edwardsville	56	12.6	44	9.7	52	12.0	47	10.8	38	8.7	10.7	
El Dorado	222	17.6	192	15.2	189	14.5	189	14.5	221	17.1	15.8	
Ellsworth	24	8.4	41	14.6	28	9.0	31	10.0	31	9.9	10.3	
Emporia	423	16.0	391	15.7	357	14.3	336	13.5	358	14.3	14.8	
Eudora	124	19.9	110	17.6	112	18.3	102	16.4	94	15.2	17.5	
Eureka	47	18.4	29	11.7	30	11.4	26	9.9	22	8.7	12.0	
Fairway	46	12.0	51	13.1	69	17.8	58	14.7	59	15.0	14.5	
Fort Scott	142	17.9	185	23.3	140	17.3	122	15.3	123	15.5	17.8	
Frontenac	31	9.7	38	11.9	38	11.1	35	10.2	37	10.7	10.7	
Galena	52	16.6	71	22.8	44	14.3	37	12.1	31	10.2	15.2	
Garden City	657	23.0	667	23.4	648	24.3	616	22.9	612	22.7	23.3	
Gardner	490	28.1	452	25.3	419	21.9	405	20.8	399	19.6	23.0	
Garnett	43	13.3	61	19.3	56	16.4	41	12.1	32	9.6	14.1	
Girard	38	14.0	35	12.9	25	9.0	32	11.4	21	7.5	10.9	
Goddard	95	24.6	98	24.2	111	25.2	105	24.0	95	21.0	23.7	
Goodland	76	17.3	53	12.4	71	15.8	61	13.5	70	15.4	14.9	
Great Bend	272	17.5	246	15.7	230	14.4	252	15.7	259	16.3	15.9	
Hays	286	14.0	333	16.4	289	14.1	302	14.6	307	14.6	14.7	
Haysville	144	13.9	203	19.3	157	14.5	199	18.3	201	18.4	16.9	
Herington	36	14.7	36	15.0	49	19.4	40	15.8	24	9.6	14.9	
Hesston	47	12.6	43	11.2	27	7.3	31	8.3	43	11.5	10.2	
Hiawatha	56	17.7	53	16.7	48	15.1	48	15.1	45	14.4	15.8	
Hillsboro	35	13.3	29	11.1	34	11.4	30	10.1	27	9.2	11.0	
Hoisington	39	13.5	38	13.6	46	17.0	38	14.0	42	15.6	14.7	
Holton	53	16.3	57	17.3	56	16.8	48	14.4	64	19.4	16.8	
Hugoton	65	19.1	70	20.3	66	16.9	63	16.5	68	17.3	17.9	
Hutchinson	626	15.3	675	16.5	517	12.3	536	12.7	509	12.1	13.8	
Independence	200	21.6	205	22.3	149	15.7	142	15.2	169	18.3	18.6	
Iola	100	17.3	99	17.3	78	13.7	85	14.9	77	13.5	15.4	
Junction City	586	28.3	643	30.7	728	31.2	622	25.9	666	25.8	28.3	
Kansas City	2,680	18.8	2,697	18.8	2,608	17.9	2,579	17.6	2,616	17.8	18.2	

Table 10
Live Births by Number and Rate*
by Selected City of Residence
Kansas, 2008-2012

City of Residence	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Kingman	46	15.4	53	18.1	36	11.3	30	9.4	41	12.9	13.3	
Lansing	95	8.9	93	8.6	99	8.8	96	8.4	79	6.8	8.3	
Larned	51	14.2	64	18.1	59	14.6	56	13.7	49	12.2	14.5	
Lawrence	1,007	11.1	1,027	11.2	1,023	11.7	987	11.1	1,040	11.6	11.3	
Leavenworth	448	12.9	466	13.3	397	11.3	428	12.0	441	12.3	12.3	
Leawood	257	8.2	287	9.0	244	7.7	251	7.7	245	7.5	8.0	
Lenexa	671	14.3	643	13.4	644	13.4	592	12.1	636	12.9	13.2	
Liberal	520	25.9	556	27.7	434	21.1	425	20.4	432	20.5	23.1	
Lindsborg	25	7.7	42	13.0	26	7.5	29	8.4	35	10.1	9.3	
Louisburg	67	17.0	100	25.6	58	13.4	70	16.3	65	15.2	17.4	
Lyons	56	16.5	60	17.6	58	15.5	66	17.7	59	15.8	16.6	
McPherson	223	16.6	205	15.4	164	12.5	193	14.6	200	15.1	14.9	
Maize	58	18.7	69	20.6	72	20.7	50	14.5	66	17.8	18.5	
Manhattan	692	13.2	718	13.6	749	14.3	764	14.2	812	14.5	14.0	
Marysville	49	15.7	40	12.9	36	10.9	42	12.9	31	9.4	12.3	
Merriam	158	14.6	166	14.9	154	14.0	164	14.7	137	12.3	14.1	
Mission	146	15.0	143	14.5	174	18.7	169	17.8	167	17.6	16.7	
Mission Hills	22	6.2	25	6.9	18	5.1	19	5.3	31	8.7	6.5	
Mulvane	99	16.9	103	17.4	83	13.6	70	11.4	73	11.6	14.1	
Newton	290	16.0	295	16.0	318	16.6	271	14.1	306	15.9	15.7	
Norton	22	8.3	43	16.2	34	11.6	29	10.0	36	12.5	11.7	
Olathe	2,088	17.4	2,147	17.6	1,993	15.8	2,002	15.7	1,986	15.3	16.3	
Osage City	44	15.6	40	14.4	30	10.2	31	10.5	28	9.6	12.0	
Oswawatomie	77	17.2	70	15.4	71	16.0	75	16.9	76	17.3	16.5	
Ottawa	190	14.8	235	18.2	201	15.9	180	14.3	183	14.6	15.6	
Overland Park	2,265	13.2	2,130	12.2	2,101	12.1	2,054	11.7	2,090	11.7	12.2	
Paola	105	19.6	93	17.4	101	18.0	92	16.5	79	14.2	17.1	
Park City	85	10.9	105	13.1	102	14.0	118	16.1	113	15.2	13.8	
Parsons	183	16.5	173	15.7	158	15.0	149	14.3	175	16.9	15.7	
Phillipsburg	36	15.2	34	14.5	29	11.2	25	9.8	40	15.9	13.3	
Pittsburg	329	16.7	355	18.1	296	14.6	305	15.0	309	15.2	15.9	
Prairie Village	317	14.8	264	12.2	305	14.2	316	14.5	340	15.6	14.3	
Pratt	111	17.4	101	16.0	85	12.4	128	18.7	110	16.0	16.1	
Roeland Park	115	16.5	102	14.5	104	15.5	117	17.1	130	19.1	16.5	
Rose Hill	44	10.9	55	13.4	58	14.8	51	13.0	45	11.4	12.7	
Russell	61	14.5	57	13.6	62	13.8	64	14.2	58	12.9	13.8	
Sabetha	31	12.5	34	13.9	42	16.3	31	12.1	35	13.7	13.7	
St Marys	64	28.1	55	23.9	67	25.5	54	20.3	70	26.4	24.7	
Salina	782	16.8	787	17.0	751	15.7	693	14.5	694	14.4	15.7	
Scott City	56	16.0	66	18.9	39	10.2	66	17.4	51	13.4	15.1	
Shawnee	967	15.9	899	14.6	830	13.3	884	14.0	901	14.2	14.4	
Spring Hill	107	20.5	105	19.9	108	19.9	101	18.4	111	19.8	19.7	
Tonganoxie	80	18.6	97	22.0	87	17.4	99	19.5	90	17.6	19.0	
Topeka	2,158	17.5	2,309	18.6	2,101	16.5	2,086	16.3	2,053	16.0	17.0	
Ulysses	123	22.1	134	24.3	105	17.0	108	17.2	84	13.5	18.6	
Valley Center	95	14.6	112	16.9	95	13.9	100	14.6	109	15.6	15.1	
Wamego	72	16.7	87	19.9	75	17.2	80	18.0	78	17.4	17.8	
Wellington	139	18.0	144	18.8	136	16.6	107	13.3	116	14.5	16.2	
Wichita	6,897	18.8	6,933	18.6	6,678	17.5	6,457	16.8	6,500	16.9	17.7	
Winfield	158	13.7	187	16.8	151	12.3	170	13.8	167	13.5	14.0	

*Rate per 1,000 population

Table 11
Birth Rates*
Kansas[†] and the U.S.[‡], 1912-2012

Year	Birth Rates		Year	Birth Rates	
	Kansas	U.S.		Kansas	U.S.
1912	22.8	29.8	1964	19.9	21.1
1913	21.0	29.5	1965	17.8	19.4
1914	21.2	29.9	1966	16.3	18.4
1915	22.2	29.5	1967	15.6	17.8
1916	24.0	29.1	1968	15.7	17.6
1917	22.2	28.5	1969	16.3	17.9
1918	22.1	28.2	1970	17.0	18.4
1919	20.4	26.1	1971	16.0	17.2
1920	22.7	27.7	1972	14.6	15.6
1921	23.7	28.1	1973	13.9	14.8
1922	21.9	26.2	1974	14.2	14.8
1923	21.8	26.0	1975	14.6	14.6
1924	20.9	26.1	1976	15.2	14.6
1925	20.8	25.1	1977	15.7	15.1
1926	19.6	24.2	1978	15.5	15.0
1927	19.2	23.5	1979	16.5	15.6
1928	18.4	22.2	1980	17.2	15.9
1929	17.7	21.2	1981	17.3	15.8
1930	18.4	21.3	1982	16.9	15.9
1931	18.2	20.2	1983	16.6	15.6
1932	17.5	19.5	1984	16.4	15.6
1933	17.0	18.4	1985	16.1	15.8
1934	17.8	19.0	1986	15.9	15.6
1935	16.5	18.7	1987	15.5	15.7
1936	16.3	18.4	1988	15.5	16.0
1937	16.0	18.7	1989	15.4	16.4
1938	16.4	19.2	1990	15.7	16.7
1939	16.2	18.8	1991	15.1	16.3
1940	16.2	19.4	1992	15.0	15.9
1941	17.3	20.3	1993	14.7	15.5
1942	19.4	22.2	1994	14.6	15.2
1943	20.0	22.7	1995	14.5	14.8
1944	19.4	21.2	1996	14.2	14.7
1945	17.5	20.4	1997	14.3	14.5
1946	21.7	24.1	1998	14.6	14.6
1947	24.3	26.6	1999	14.6	14.5
1948	22.7	24.9	2000	14.7	14.7
1949	22.9	24.5	2001	14.4	14.1
1950	23.1	24.1	2002	14.5	13.9
1951	24.4	24.9	2003	14.4	14.1
1952	25.2	25.1	2004	14.5	14.0
1953	26.4	25.1	2005	14.5	14.0
1954	26.8	25.3	2006	14.8	14.2
1955	25.8	25.0	2007	15.1	14.3
1956	25.5	25.2	2008	14.9	13.9
1957	25.5	25.3	2009	14.7	13.5
1958	24.6	24.5	2010	14.2	13.0
1959	24.8	24.2	2011	13.8	12.7
1960	23.8	23.7	2012	14.0	12.6
1961	23.3	23.3			
1962	22.5	22.4			
1963	21.2	21.7			

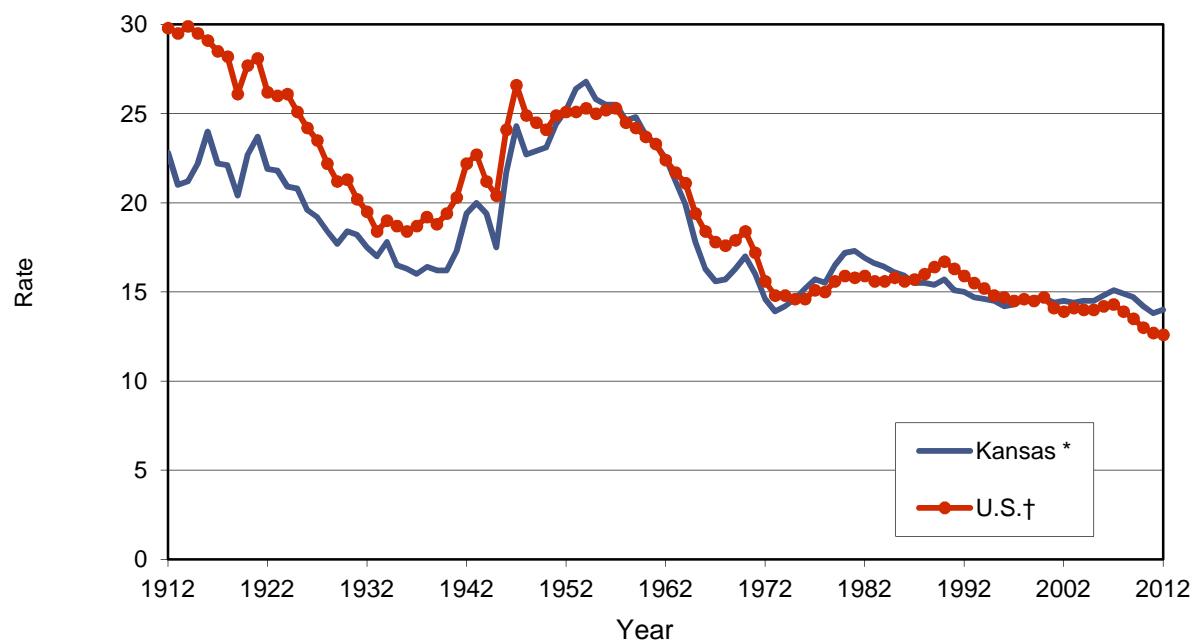
*Rate per 1,000 population

[†]1912-1934 Occurrence data

1935-2012 Residence data

[‡]US numbers from provisional reports.

Birth Rates
Kansas and the U.S., 1912-2012



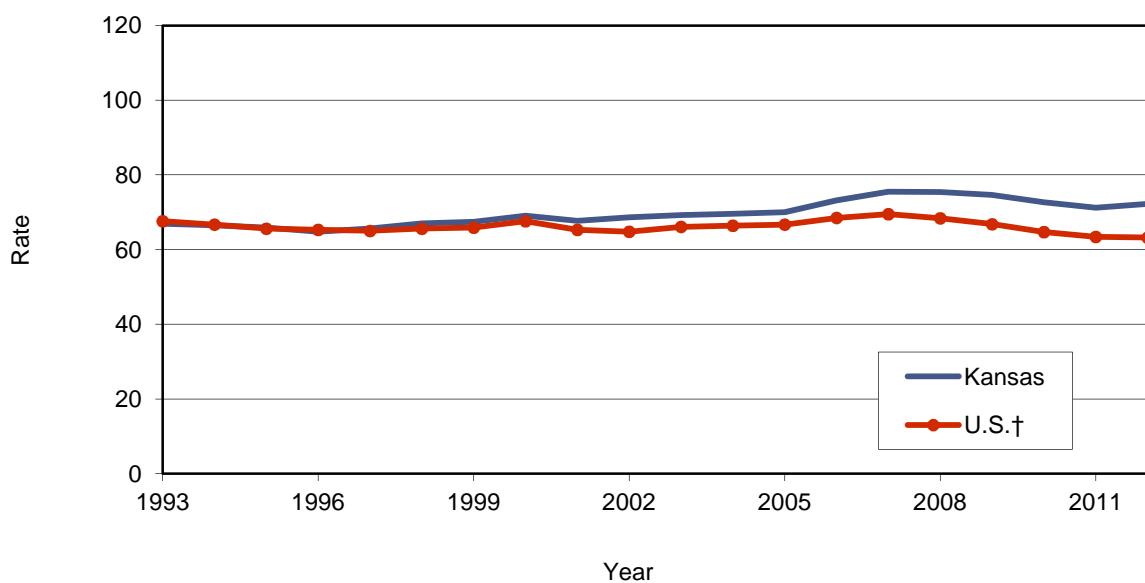
*1912-1934 Occurrence data

1935-2011 Residence data

†2010-2011 Rates Provisional

Figure 10

Fertility Rates*
Kansas and the U.S., 1993-2012



*Rate per 1,000 Female

Population 15-44

†2010-2011 Rates Provisional

Figure 11

Age-Specific Fertility Rates by Year by Age-Group of Mother*
 Kansas, 2008-2012

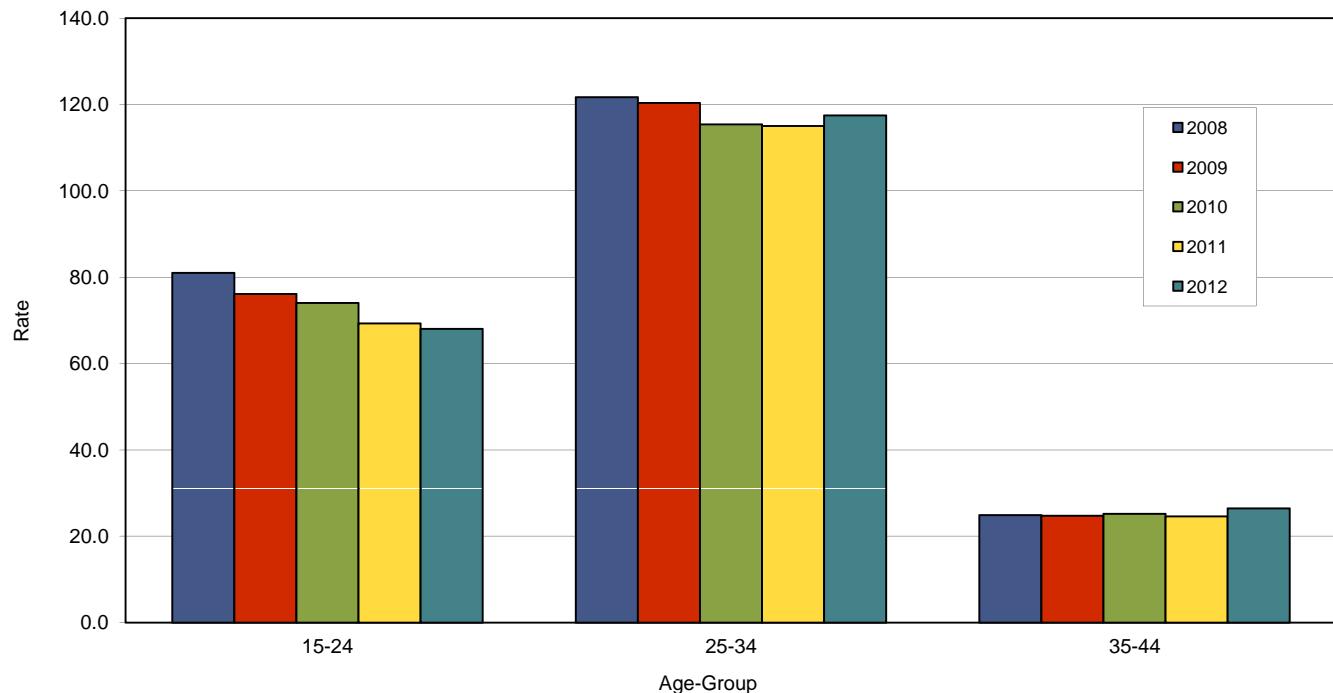


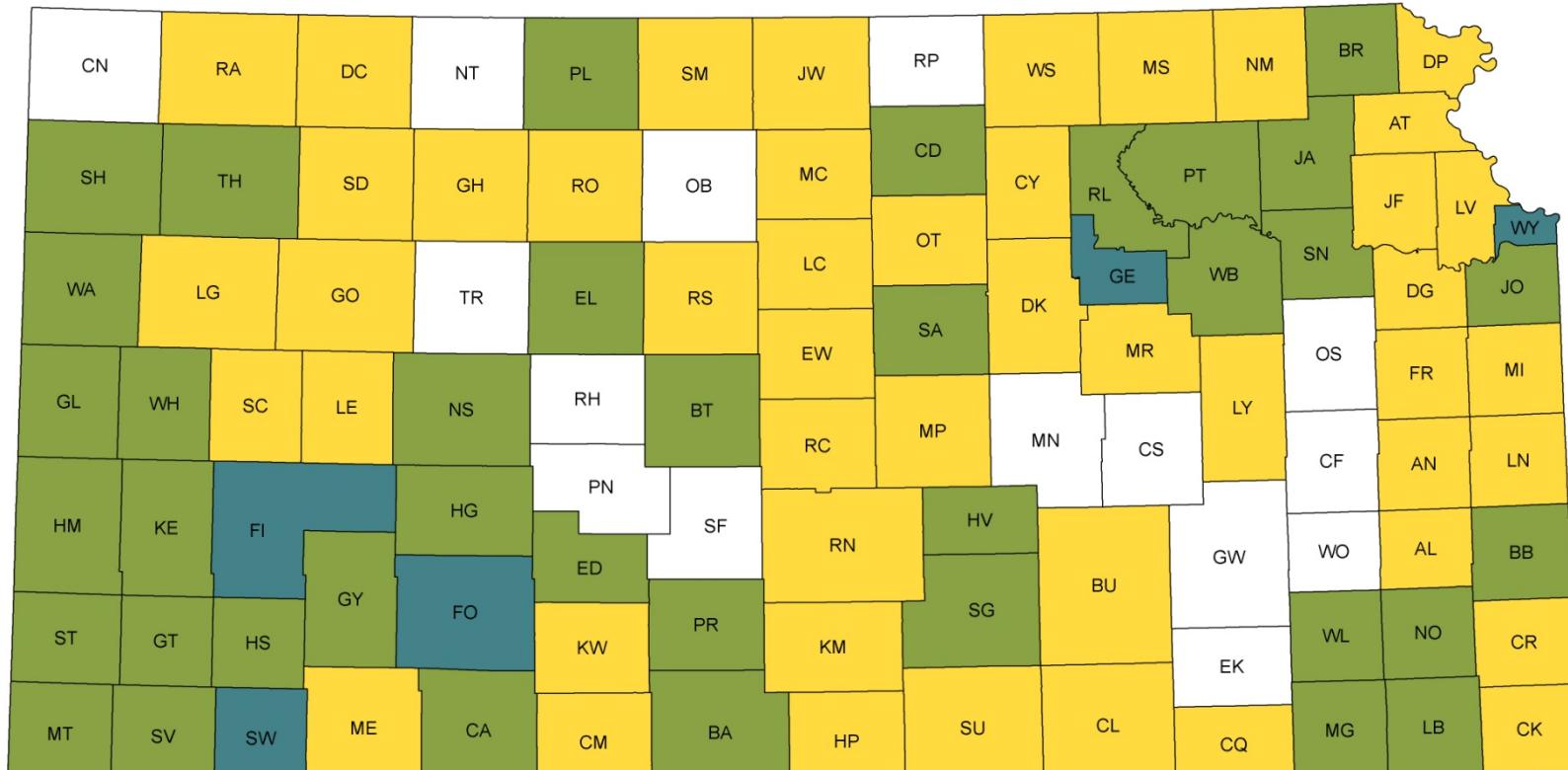
Figure 12

Table 12
Age-Specific Fertility Rates*
 by Age-Group of Mother
 Kansas, 1993-2012

Age-Group	Year																			Percent Change 1993-2012	
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011		
Total	66.9	66.5	65.9	64.8	65.6	67.0	67.4	69.1	67.7	68.6	69.2	69.6	70.0	73.2	75.5	75.4	74.6	72.7	71.2	72.2	7.9
15-24	87.8	85.3	83.8	80.1	80.6	79.5	80.0	82.5	79.1	77.2	75.2	74.9	76.6	78.4	80.2	81.0	76.1	74.0	69.3	68.0	-22.6
25-34	97.5	99.8	100.8	101.3	103.8	108.8	111.2	113.3	111.9	114.2	115.5	115.2	112.5	119.8	121.7	121.7	120.4	115.4	115.0	117.5	20.5
35-44	17.4	18.5	18.5	18.9	19.3	20.4	20.4	20.8	20.2	21.1	22.3	22.8	23.2	24.1	24.9	24.9	24.7	25.2	24.6	26.4	51.7

*Rate per 1,000 female age-group population

Birth Rates By County of Residence Kansas, 2012



Legend

	Under 10.0		10.0 - 12.9		13.0 - 16.9		17.0 and over
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Figure 13

Table 13
Live Births by Age-Group of Mother by Sex of Infant
Kansas, 2012

Age-Group of Mother	Total		Sex	
	Number	Percent	Male	Female
Total	40,304	100	20,603	19,701
Under 15	28	0.1	20	8
15-17	833	2.1	415	418
18-19	2,470	6.1	1,285	1,185
20-24	10,219	25.4	5,186	5,033
25-29	12,731	31.6	6,536	6,195
30-34	9,492	23.6	4,856	4,636
35-39	3,737	9.3	1,904	1,833
40-44	747	1.9	379	368
45 & Over	46	0.1	22	24
n.s.	1	n/a	0	1

Table 14
Live Births by Age-Group of Father by Age-Group of Mother
Kansas, 2012

Age-Group of Father	Total	Age-Group of Mother									
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	46 & Over	n.s.
Total..	40,304	861	28	3,303	10,219	12,731	9,492	3,737	747	46	1
Under 18.....	254	160	7	229	18	0	0	0	0	0	0
10-14	2	2	2	0	0	0	0	0	0	0	0
15-19	1,227	390	5	960	248	10	3	1	0	0	0
20-24	6,103	156	1	1,196	4,016	731	129	27	3	0	0
25-29	10,598	20	0	224	3,142	6,011	1,041	162	18	0	0
30-34	10,270	2	0	57	820	3,805	4,874	655	56	3	0
35-39	5,128	1	0	10	214	896	2,167	1,684	156	1	0
40-44	1,945	0	0	5	83	240	557	745	307	8	0
45 & Over	792	0	0	2	39	95	211	258	155	32	0
n.s.	4,239	290	20	849	1,657	943	510	205	52	2	1

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Table 15
Live Births by Age-Group of Mother
by County of Residence
Kansas, 2012

County of Residence	Age-Group of Mother									n.s.
	Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Kansas	40,304	28	3,303	10,219	12,731	9,492	3,737	747	46	1
Allen	154	0	17	46	51	25	10	4	1	0
Anderson	85	0	3	25	31	18	6	2	0	0
Atchison	204	0	20	67	66	33	15	3	0	0
Barber	66	0	10	24	16	11	3	2	0	0
Barton	401	1	41	118	138	76	20	7	0	0
Bourbon	203	0	29	51	73	30	14	6	0	0
Brown	136	0	13	39	46	24	13	1	0	0
Butler	801	0	67	191	282	171	75	15	0	0
Chase	26	0	1	8	8	6	3	0	0	0
Chautauqua	40	0	3	13	13	7	3	1	0	0
Cherokee	227	0	30	82	71	30	12	2	0	0
Cheyenne	26	0	1	9	6	9	1	0	0	0
Clark	30	0	3	9	2	10	5	1	0	0
Clay	97	0	6	38	24	19	6	3	1	0
Cloud	135	0	10	49	38	29	9	0	0	0
Coffey	82	0	6	20	30	18	7	1	0	0
Comanche	23	0	0	7	5	9	2	0	0	0
Cowley	456	0	61	166	135	67	22	5	0	0
Crawford.	493	1	37	157	158	103	31	6	0	0
Decatur	37	0	1	10	16	8	2	0	0	0
Dickinson	205	1	17	56	73	43	14	1	0	0
Doniphan	85	2	10	22	32	14	5	0	0	0
Douglas	1,262	0	67	236	377	376	164	42	0	0
Edwards	39	0	4	7	14	8	6	0	0	0
Elk	27	0	2	6	10	7	1	1	0	0
Ellis	406	1	22	104	156	82	37	3	1	0
Ellsworth	67	0	2	18	24	16	6	0	1	0
Finney	703	1	98	216	189	115	65	18	1	0
Ford	673	0	87	209	177	121	66	12	1	0
Franklin	324	0	30	102	105	59	27	1	0	0
Geary	1,060	0	72	403	361	156	57	11	0	0
Gove	30	0	1	7	14	4	2	2	0	0
Graham	29	0	3	4	10	9	2	1	0	0
Grant	112	0	15	35	33	19	8	2	0	0
Gray	87	0	6	21	32	23	5	0	0	0
Greeley	19	0	0	5	7	5	2	0	0	0
Greenwood	59	0	11	18	14	8	7	1	0	0
Hamilton	41	0	6	12	11	10	2	0	0	0
Harper	66	0	6	17	26	12	5	0	0	0
Harvey	463	0	50	105	163	99	36	9	1	0
Haskell	58	0	14	13	15	9	7	0	0	0
Hodgeman	28	0	0	12	11	4	1	0	0	0
Jackson	176	0	9	45	68	35	18	1	0	0
Jefferson	196	0	17	46	78	40	15	0	0	0
Jewell	31	0	5	7	11	7	1	0	0	0
Johnson	7,437	0	262	934	2,267	2,674	1,084	205	11	0
Kearny	55	0	5	14	19	13	4	0	0	0
Kingman	80	0	6	21	31	15	6	1	0	0
Kiowa	32	0	1	10	10	6	5	0	0	0
Labette	297	0	24	120	83	48	20	1	1	0
Lane	22	0	0	4	10	6	2	0	0	0
Leavenworth	966	0	85	254	270	239	96	16	5	1
Lincoln	33	0	3	7	12	10	1	0	0	0
Linn	97	0	11	21	33	21	11	0	0	0
Logan	30	0	2	10	8	7	1	2	0	0

Table 15
Live Births by Age-Group of Mother
by County of Residence
Kansas, 2012

County of Residence	Age-Group of Mother									n.s.
	Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Lyon	421	0	43	121	144	85	22	6	0	0
McPherson	366	1	28	90	127	84	31	3	2	0
Marion	112	0	8	23	43	26	8	3	1	0
Marshall	124	0	7	22	48	31	14	2	0	0
Meade	45	0	2	18	10	14	0	1	0	0
Miami	364	0	24	84	124	83	39	10	0	0
Mitchell	74	0	0	24	24	16	7	3	0	0
Montgomery	502	0	66	173	148	82	27	5	1	0
Morris	73	1	9	17	26	15	4	1	0	0
Morton	52	0	5	16	17	10	2	2	0	0
Nemaha	126	0	4	26	43	39	13	1	0	0
Neosho	230	0	33	71	71	41	10	4	0	0
Ness	41	0	3	10	14	8	6	0	0	0
Norton	53	0	2	18	20	8	5	0	0	0
Osage	157	0	15	38	51	38	15	0	0	0
Osborne	37	0	3	6	14	9	4	1	0	0
Ottawa	68	0	3	17	24	18	5	1	0	0
Pawnee	68	0	5	25	20	12	5	1	0	0
Phillips	74	0	6	19	27	18	2	2	0	0
Pottawatomie	370	0	13	69	141	102	31	13	1	0
Pratt	149	1	18	47	54	23	5	1	0	0
Rawlins	33	0	2	11	13	7	0	0	0	0
Reno	742	1	61	217	245	151	53	14	0	0
Republic	48	0	5	11	19	10	3	0	0	0
Rice	119	0	10	29	50	20	8	2	0	0
Riley	1,177	1	46	370	415	266	65	13	1	0
Rooks	62	0	4	18	30	10	0	0	0	0
Rush	31	0	2	6	10	5	6	0	2	0
Russell	85	0	7	23	30	19	6	0	0	0
Saline	766	0	72	222	237	160	63	11	1	0
Scott	62	0	7	22	13	16	1	3	0	0
Sedgwick	7,889	11	721	2,104	2,490	1,737	683	137	6	0
Seward	462	0	66	148	139	63	37	9	0	0
Shawnee	2,431	1	253	691	740	509	199	37	1	0
Sheridan	26	0	2	8	8	6	2	0	0	0
Sherman	82	0	13	24	27	11	5	2	0	0
Smith	40	0	2	7	20	6	5	0	0	0
Stafford	40	0	8	12	15	1	3	1	0	0
Stanton	29	0	4	9	9	3	2	2	0	0
Stevens	89	0	9	19	29	23	7	2	0	0
Sumner	279	0	35	98	82	44	18	2	0	0
Thomas	118	0	13	33	44	23	5	0	0	0
Trego	24	0	2	6	9	5	2	0	0	0
Wabaunsee	107	0	9	17	34	30	7	9	1	0
Wallace	20	0	0	5	5	9	1	0	0	0
Washington	68	0	1	11	28	19	9	0	0	0
Wichita	31	0	2	7	15	4	3	0	0	0
Wilson.	123	0	15	41	38	21	6	2	0	0
Woodson	28	0	3	7	8	7	3	0	0	0
Wyandotte	2,770	4	320	859	776	522	232	52	5	0
n.s.	0	0	0	0	0	0	0	0	0	0

Table 16
Live Births by Weeks Gestation
By County of Residence
Kansas, 2012

County of Residence	Total	Weeks Gestation											Percent Premature <37 weeks
		19 & Under	20-22	23-27	28-31	32-35	36	37	38-39	40-41	42 & Over	n.s.	
Kansas	40,304	21	43	209	356	1,575	1,425	3,095	22,161	11,254	143	22	9.0
Allen	154	0	0	1	1	4	6	7	105	30	0	0	7.8
Anderson	85	0	0	0	0	1	3	7	39	35	0	0	4.7
Atchison	204	0	0	2	0	9	6	24	96	67	0	0	8.3
Barber	66	0	0	1	0	1	2	7	29	24	2	0	6.1
Barton	401	0	1	0	3	12	18	34	209	122	2	0	8.5
Bourbon	203	0	0	4	0	9	11	19	145	10	0	5	12.1
Brown	136	0	0	0	4	8	6	9	76	33	0	0	13.2
Butler	801	0	1	5	8	26	36	72	429	223	1	0	9.5
Chase	26	0	0	0	1	0	0	4	12	9	0	0	3.8
Chautauqua	40	0	0	0	0	0	2	7	25	6	0	0	5.0
Cherokee	227	0	0	1	1	10	12	21	146	35	0	1	10.6
Cheyenne	26	0	0	1	0	2	1	1	12	8	1	0	15.4
Clark	30	0	0	1	0	3	1	0	15	10	0	0	16.7
Clay	97	0	0	2	0	7	3	14	51	19	1	0	12.4
Cloud	135	0	0	1	2	6	4	18	71	33	0	0	9.6
Coffey	82	0	0	0	0	2	4	6	47	22	1	0	7.3
Comanche	23	0	0	0	0	0	0	2	10	11	0	0	0.0
Cowley	456	0	0	1	6	20	12	38	256	122	1	0	8.6
Crawford	493	0	0	1	5	33	36	40	302	76	0	0	15.2
Decatur	37	0	0	1	0	1	0	1	21	12	1	0	5.4
Dickinson	205	0	1	1	2	8	3	13	115	62	0	0	7.3
Doniphan	85	0	0	0	0	3	2	7	49	24	0	0	5.9
Douglas	1,262	0	1	8	14	48	37	74	709	361	10	0	8.6
Edwards	39	0	0	3	2	1	0	1	20	11	0	1	15.8
Elk	27	0	0	1	0	1	3	2	14	6	0	0	18.5
Ellis	406	0	0	3	2	13	12	23	218	132	3	0	7.4
Ellsworth	67	0	0	0	1	3	1	7	36	18	1	0	7.5
Finney	703	0	2	6	4	32	31	85	397	140	6	0	10.7
Ford	673	0	0	3	10	22	15	47	380	194	2	0	7.4
Franklin	324	0	0	4	3	14	9	18	176	100	0	0	9.3
Geary	1,060	0	0	6	17	36	42	85	579	294	1	0	9.5
Gove	30	0	0	0	0	0	1	4	19	6	0	0	3.3
Graham	29	0	0	0	0	1	4	0	13	11	0	0	17.2
Grant	112	0	0	1	1	6	0	9	65	29	1	0	7.1
Gray	87	0	0	0	1	3	2	6	49	25	1	0	6.9
Greeley	19	0	0	0	0	1	0	1	12	5	0	0	5.3
Greenwood	59	0	0	0	0	1	0	8	40	10	0	0	1.7
Hamilton	41	0	0	0	0	3	0	4	26	8	0	0	7.3
Harper	66	0	0	0	1	1	1	3	37	23	0	0	4.5
Harvey	463	0	0	1	3	20	15	34	275	115	0	0	8.4
Haskell	58	0	0	0	0	5	1	7	33	12	0	0	10.3
Hodgeman	28	0	0	0	3	0	0	2	14	9	0	0	10.7
Jackson	176	0	0	1	0	5	6	18	107	39	0	0	6.8
Jefferson	196	0	0	2	0	2	9	22	104	57	0	0	6.6
Jewell	31	0	0	0	1	0	3	1	16	10	0	0	12.9
Johnson	7,437	4	6	32	68	280	256	535	3,930	2,299	24	3	8.7
Kearny	55	0	0	0	0	1	7	6	29	12	0	0	14.5
Kingman	80	0	0	0	0	4	2	5	44	25	0	0	7.5
Kiowa	32	0	0	0	0	2	0	3	14	13	0	0	6.3
Labette	297	1	0	3	1	13	16	30	196	35	2	0	11.4
Lane	22	0	0	0	0	1	2	1	10	7	1	0	13.6
Leavenworth	966	0	1	4	2	36	32	91	523	276	1	0	7.8
Lincoln	33	0	0	0	0	4	1	1	20	7	0	0	15.2
Linn	97	0	1	0	0	6	4	3	60	22	1	0	11.3
Logan	30	0	0	0	0	0	2	2	19	7	0	0	6.7

Table 16
Live Births by Weeks Gestation
By County of Residence
Kansas, 2012

County of Residence	Total	Weeks Gestation										Percent Premature <37 weeks	
		19 & Under	20-22	23-27	28-31	32-35	36	37	38-39	40-41	42 & Over		
Lyon	421	1	0	4	5	16	11	32	211	135	6	0	8.8
McPherson	366	0	1	1	7	13	15	20	211	96	2	0	10.1
Marion	112	0	0	0	0	4	4	5	68	30	1	0	7.1
Marshall	124	0	0	0	2	10	3	13	71	25	0	0	12.1
Meade	45	0	0	0	0	2	2	8	23	10	0	0	8.9
Miami	364	0	0	0	5	13	8	25	225	85	3	0	7.1
Mitchell	74	0	0	0	1	2	5	3	36	27	0	0	10.8
Montgomery	502	0	0	3	2	22	22	51	327	73	2	0	9.8
Morris	73	0	0	0	0	4	6	5	41	17	0	0	13.7
Morton	52	0	0	1	0	2	2	5	27	15	0	0	9.6
Nemaha	126	0	1	0	2	6	1	9	68	39	0	0	7.9
Neosho	230	0	0	2	3	6	11	20	139	49	0	0	9.6
Ness	41	0	0	0	0	1	2	2	24	11	0	1	7.5
Norton	53	0	0	0	0	3	4	3	19	21	3	0	13.2
Osage	157	0	0	1	1	3	10	11	98	33	0	0	9.6
Osborne	37	0	1	0	0	1	5	2	18	10	0	0	18.9
Ottawa	68	0	0	0	1	2	2	2	40	21	0	0	7.4
Pawnee	68	0	1	0	1	5	1	2	41	17	0	0	11.8
Phillips	74	0	0	0	0	1	2	2	41	26	1	1	4.1
Pottawatomie	370	0	0	1	0	9	21	20	223	94	2	0	8.4
Pratt	149	0	0	0	0	4	6	11	78	50	0	0	6.7
Rawlins	33	0	0	0	3	4	1	3	15	7	0	0	24.2
Reno	742	0	0	1	1	34	29	71	427	177	2	0	8.8
Republic	48	0	0	0	0	4	1	5	26	10	2	0	10.4
Rice	119	0	1	0	1	4	7	6	68	32	0	0	10.9
Riley	1,177	2	0	7	6	35	35	99	638	349	6	0	7.2
Rooks	62	0	0	0	0	0	0	4	35	23	0	0	0.0
Rush	31	0	0	0	0	1	1	4	13	12	0	0	6.5
Russell	85	0	0	2	1	2	1	6	49	24	0	0	7.1
Saline	766	1	0	7	8	34	18	53	433	210	2	0	8.9
Scott	62	0	0	0	0	2	1	5	35	19	0	0	4.8
Sedgwick	7,889	9	10	42	81	339	270	615	4,179	2,325	18	1	9.5
Seward	462	0	3	1	0	9	18	25	267	137	2	0	6.7
Shawnee	2,431	1	3	11	22	114	102	220	1,453	495	5	5	10.4
Sheridan	26	0	0	0	0	3	0	1	8	12	1	1	12.0
Sherman	82	0	0	1	0	5	2	9	43	21	0	1	9.9
Smith	40	0	0	0	0	4	4	2	17	13	0	0	20.0
Stafford	40	0	0	0	0	1	1	1	24	13	0	0	5.0
Stanton	29	0	0	0	0	0	0	1	2	15	9	2	3.4
Stevens	89	0	0	0	0	1	0	5	7	53	23	0	6.7
Sumner	279	0	0	4	2	9	6	18	158	81	1	0	7.5
Thomas	118	0	0	1	0	4	3	12	64	32	2	0	6.8
Trego	24	0	0	0	0	2	0	2	12	8	0	0	8.3
Wabaunsee	107	0	0	2	2	3	4	4	64	26	2	0	10.3
Wallace	20	0	0	0	0	0	0	2	11	7	0	0	0.0
Washington	68	0	0	1	2	2	1	6	38	18	0	0	8.8
Wichita	31	0	0	0	1	0	0	1	22	7	0	0	3.2
Wilson	123	0	0	0	0	7	2	10	79	25	0	0	7.3
Woodson	28	0	0	0	0	0	0	0	19	9	0	0	0.0
Wyandotte	2,770	2	8	15	28	94	87	162	1,423	935	14	2	8.5
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	n/a

Table 17
 Live Births by Month Prenatal Care Began
 by County of Residence
 Kansas, 2012

County of Residence	Total	Month Care Began											
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	None	n.s.	
Kansas	40,304	1,121	13,399	16,937	4,024	1,869	967	607	425	170	352	433	
Allen	154	5	54	68	14	8	1	0	1	3	0	0	
Anderson	85	8	22	30	18	2	3	1	1	0	0	0	
Atchison	204	6	58	87	18	17	5	7	0	3	2	1	
Barber	66	0	11	37	7	6	2	0	1	2	0	0	
Barton	401	17	152	144	36	18	15	9	5	0	0	5	
Bourbon	203	2	87	68	11	9	7	5	8	0	4	2	
Brown	136	4	39	63	11	9	2	2	2	1	1	2	
Butler	801	16	232	390	85	33	20	8	8	2	3	4	
Chase	26	0	8	10	5	2	1	0	0	0	0	0	
Chautauqua	40	1	12	13	6	1	2	3	2	0	0	0	
Cherokee	227	2	50	106	30	16	10	3	5	2	1	2	
Cheyenne	26	3	10	8	3	0	1	1	0	0	0	0	
Clark	30	0	9	15	4	1	0	0	0	0	1	0	
Clay	97	1	18	60	7	8	3	0	0	0	0	0	
Cloud	135	1	47	53	21	6	2	3	2	0	0	0	
Coffey	82	1	20	40	12	6	1	1	1	0	0	0	
Comanche	23	0	4	11	1	4	0	3	0	0	0	0	
Cowley	456	12	138	161	58	40	14	16	7	0	6	4	
Crawford	493	17	137	214	64	16	19	14	5	2	2	3	
Decatur	37	2	13	16	5	0	0	0	0	0	0	1	
Dickinson	205	3	84	77	19	7	7	4	2	1	0	1	
Doniphan	85	2	33	27	9	5	5	2	2	0	0	0	
Douglas	1,262	24	593	429	80	48	25	16	17	8	15	7	
Edwards	39	3	6	14	7	3	2	0	2	0	1	1	
Elk	27	0	10	14	0	2	1	0	0	0	0	0	
Ellis	406	7	75	256	36	15	7	4	1	2	1	2	
Ellsworth	67	1	32	29	1	0	2	0	2	0	0	0	
Finney	703	17	117	218	142	79	53	28	27	13	8	1	
Ford	673	24	227	182	118	49	25	13	12	6	5	12	
Franklin	324	17	142	103	23	20	7	4	1	1	3	3	
Geary	1,060	19	328	461	100	53	32	26	19	12	4	6	
Gove	30	1	7	19	2	0	1	0	0	0	0	0	
Graham	29	0	4	19	1	1	3	0	1	0	0	0	
Grant	112	5	26	39	17	6	7	5	5	1	1	0	
Gray	87	5	19	36	14	7	2	2	1	1	0	0	
Greeley	19	2	4	5	1	1	1	3	2	0	0	0	
Greenwood	59	3	24	18	6	4	1	3	0	0	0	0	
Hamilton	41	0	8	15	8	4	6	0	0	0	0	0	
Harper	66	3	22	30	2	3	3	0	3	0	0	0	
Harvey	463	13	76	270	58	21	5	5	7	3	4	1	
Haskell	58	2	10	20	14	7	2	1	0	1	1	0	
Hodgeman	28	3	12	9	3	0	0	0	0	0	0	1	
Jackson	176	7	34	91	23	10	4	3	2	2	0	0	
Jefferson	196	5	64	95	20	3	3	3	0	0	2	1	
Jewell	31	2	13	10	3	3	0	0	0	0	0	0	
Johnson	7,437	297	3,722	2,523	437	165	58	30	15	10	36	144	
Kearny	55	0	10	21	11	5	4	0	4	0	0	0	
Kingman	80	2	14	42	13	3	1	1	1	0	0	3	
Kiowa	32	1	3	21	3	0	1	1	0	0	2	0	
Labette	297	8	139	74	36	13	6	5	6	4	1	5	
Lane	22	1	5	12	2	0	1	0	1	0	0	0	
Leavenworth	966	48	414	321	77	53	17	11	8	2	8	7	
Lincoln	33	0	14	17	1	0	1	0	0	0	0	0	
Linn	97	5	48	28	9	1	1	1	1	2	0	1	
Logan	30	2	8	15	3	2	0	0	0	0	0	0	

Table 17
 Live Births by Month Prenatal Care Began
 by County of Residence
 Kansas, 2012

County of Residence	Total	Month Care Began										
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	None	n.s.
Lyon	421	10	112	180	49	29	17	10	6	3	3	2
McPherson	112	3	23	65	11	5	2	2	1	0	0	0
Marion	124	3	26	70	17	2	1	2	1	0	1	1
Marshall	366	5	138	158	40	10	7	3	1	3	1	0
Meade	45	1	13	13	7	5	3	2	0	0	0	1
Miami	364	26	182	118	25	4	4	2	2	0	1	0
Mitchell	74	1	26	32	7	2	2	3	1	0	0	0
Montgomery	502	9	193	171	44	30	20	12	13	1	6	3
Morris	73	1	21	39	7	2	1	1	1	0	0	0
Morton	52	2	11	24	6	5	1	0	2	0	0	1
Nemaha	126	2	43	57	12	4	3	0	2	1	0	2
Neosho	230	6	64	97	30	15	11	3	3	0	1	0
Ness	41	1	8	22	4	2	0	1	2	0	1	0
Norton	53	3	28	12	4	3	2	1	0	0	0	0
Osage	157	4	31	82	25	9	4	0	1	0	0	1
Osborne	37	0	13	20	3	0	0	1	0	0	0	0
Ottawa	68	1	34	23	5	4	1	0	0	0	0	0
Pawnee	68	3	18	33	6	2	3	1	1	1	0	0
Phillips	74	1	13	44	3	4	4	3	1	0	0	1
Pottawatomie	370	3	37	244	48	23	7	3	3	1	0	1
Pratt	149	2	21	76	23	9	6	5	3	3	1	0
Rawlins	33	0	14	17	1	1	0	0	0	0	0	0
Reno	742	47	283	239	71	43	25	13	6	6	3	6
Republic	48	0	12	28	5	1	0	0	0	1	0	1
Rice	119	8	45	37	14	7	4	2	1	0	1	0
Riley	1,177	9	229	702	86	41	37	27	19	13	12	2
Rooks	62	0	15	37	6	1	0	1	1	1	0	0
Rush	31	1	5	18	2	2	0	0	0	0	0	3
Russell	85	4	9	53	13	3	2	0	0	0	1	0
Saline	766	6	311	296	68	41	21	11	5	1	3	3
Scott	62	4	18	26	7	4	2	0	1	0	0	0
Sedgwick	7,889	138	2,125	3,845	872	378	164	117	82	20	73	75
Seward	462	9	151	137	50	43	24	22	10	4	9	3
Shawnee	2,431	45	402	1,375	306	124	61	43	27	9	16	23
Sheridan	26	0	14	11	0	0	0	0	0	1	0	0
Sherman	82	13	30	28	5	4	0	0	0	0	1	1
Smith	40	1	13	19	3	2	2	0	0	0	0	0
Stafford	40	3	8	21	4	2	2	0	0	0	0	0
Stanton	29	0	12	9	3	2	0	2	0	1	0	0
Stevens	89	3	32	28	8	10	6	0	0	1	0	1
Sumner	279	10	91	124	18	12	9	3	1	2	3	6
Thomas	118	4	40	51	6	7	4	2	4	0	0	0
Trego	24	0	3	11	6	2	2	0	0	0	0	0
Wabaunsee	107	1	12	63	17	4	3	2	1	3	0	1
Wallace	20	1	5	8	2	1	0	2	1	0	0	0
Washington	68	3	15	38	10	0	1	1	0	0	0	0
Wichita	31	0	6	11	6	3	0	3	1	1	0	0
Wilson	123	3	41	50	14	8	2	2	0	0	0	3
Woodson	28	0	4	14	7	2	1	0	0	0	0	0
Wyandotte	2,770	91	931	907	323	157	94	52	31	9	103	72
n.s.	0	0	0	0	0	0	0	0	0	0	0	0

Table 18
Adequacy of Prenatal Care Utilization (APNCU) Index*
by County of Residence
Kansas, 2012

County of Residence	Live Births	APNCU Category†								n.s.	
		Adequate Plus		Adequate		Intermediate		Inadequate			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Kansas	40,304	12,384	31.3	20,009	50.6	2,540	6.4	4,626	11.7	745	
Allen	154	59	38.8	66	43.4	12	7.9	15	9.9	2	
Anderson	85	25	29.4	48	56.5	4	4.7	8	9.4	0	
Atchison	204	45	22.4	100	49.8	22	10.9	34	16.9	3	
Barber	66	18	27.3	36	54.5	1	1.5	11	16.7	0	
Barton	401	139	36.3	169	44.1	26	6.8	49	12.8	18	
Bourbon	203	103	51.5	60	30.0	4	2.0	33	16.5	3	
Brown	136	26	20.5	62	48.8	23	18.1	16	12.6	9	
Butler	801	209	26.4	478	60.4	25	3.2	80	10.1	9	
Chase	26	11	42.3	8	30.8	3	11.5	4	15.4	0	
Chautauqua	40	14	35.0	13	32.5	4	10.0	9	22.5	0	
Cherokee	227	57	25.3	94	41.8	33	14.7	41	18.2	2	
Cheyenne	26	10	38.5	13	50.0	1	3.8	2	7.7	0	
Clark	30	7	24.1	16	55.2	3	10.3	3	10.3	1	
Clay	97	40	41.2	40	41.2	6	6.2	11	11.3	0	
Cloud	135	41	30.4	76	56.3	5	3.7	13	9.6	0	
Coffey	82	20	25.6	45	57.7	4	5.1	9	11.5	4	
Comanche	23	1	4.3	14	60.9	1	4.3	7	30.4	0	
Cowley	456	171	38.3	187	41.9	8	1.8	80	17.9	10	
Crawford	493	141	28.8	196	40.1	80	16.4	72	14.7	4	
Decatur	37	13	35.1	15	40.5	8	21.6	1	2.7	0	
Dickinson	205	62	30.7	107	53.0	12	5.9	21	10.4	3	
Doniphan	85	33	38.8	34	40.0	4	4.7	14	16.5	0	
Douglas	1,262	551	44.0	521	41.6	50	4.0	131	10.5	9	
Edwards	39	12	32.4	15	40.5	2	5.4	8	21.6	2	
Elk	27	10	37.0	13	48.1	1	3.7	3	11.1	0	
Ellis	406	86	21.4	249	61.9	37	9.2	30	7.5	4	
Ellsworth	67	19	28.8	36	54.5	7	10.6	4	6.1	1	
Finney	703	162	23.2	178	25.5	124	17.8	233	33.4	6	
Ford	673	228	34.7	246	37.4	67	10.2	116	17.7	16	
Franklin	324	106	33.3	164	51.6	10	3.1	38	11.9	6	
Geary	1,060	289	27.5	503	47.9	102	9.7	157	14.9	9	
Gove	30	3	10.0	18	60.0	8	26.7	1	3.3	0	
Graham	29	10	34.5	13	44.8	1	3.4	5	17.2	0	
Grant	112	25	22.5	46	41.4	12	10.8	28	25.2	1	
Gray	87	28	32.2	37	42.5	9	10.3	13	14.9	0	
Greeley	19	3	16.7	3	16.7	4	22.2	8	44.4	1	
Greenwood	59	15	25.9	33	56.9	2	3.4	8	13.8	1	
Hamilton	41	9	22.5	11	27.5	7	17.5	13	32.5	1	
Harper	66	10	15.4	45	69.2	2	3.1	8	12.3	1	
Harvey	463	238	51.5	170	36.8	9	1.9	45	9.7	1	
Haskell	58	11	19.3	23	40.4	12	21.1	11	19.3	1	
Hodgeman	28	10	37.0	17	63.0	0	0.0	0	0.0	1	
Jackson	176	51	29.7	87	50.6	8	4.7	26	15.1	4	
Jefferson	196	88	45.6	87	45.1	7	3.6	11	5.7	3	
Jewell	31	6	19.4	18	58.1	4	12.9	3	9.7	0	
Johnson	7,437	2,616	35.9	3,830	52.6	515	7.1	326	4.5	150	
Kearny	55	13	23.6	17	30.9	7	12.7	18	32.7	0	
Kingman	80	20	25.6	51	65.4	0	0.0	7	9.0	2	
Kiowa	32	5	16.7	21	70.0	0	0.0	4	13.3	2	
Labette	297	133	45.9	105	36.2	13	4.5	39	13.4	7	
Lane	22	9	40.9	9	40.9	2	9.1	2	9.1	0	
Leavenworth	966	322	33.5	461	48.0	74	7.7	103	10.7	6	
Lincoln	33	6	18.2	25	75.8	1	3.0	1	3.0	0	
Linn	97	39	40.6	46	47.9	5	5.2	6	6.3	1	
Logan	30	11	36.7	10	33.3	7	23.3	2	6.7	0	

Table 18
Adequacy of Prenatal Care Utilization (APNCU) Index*
by County of Residence
Kansas, 2012

County of Residence	Live Births	APNCU Category†								n.s.	
		Adequate Plus		Adequate		Intermediate		Inadequate			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Lyon	421	187	48.2	115	29.6	16	4.1	70	18.0	33	
McPherson	366	148	40.4	179	48.9	14	3.8	25	6.8	0	
Marion	112	50	44.6	49	43.8	3	2.7	10	8.9	0	
Marshall	124	35	28.2	71	57.3	10	8.1	8	6.5	0	
Meade	45	13	29.5	18	40.9	2	4.5	11	25.0	1	
Miami	364	123	33.9	204	56.2	23	6.3	13	3.6	1	
Mitchell	74	15	20.3	46	62.2	5	6.8	8	10.8	0	
Montgomery	502	191	38.6	197	39.8	24	4.8	83	16.8	7	
Morris	73	22	30.1	44	60.3	2	2.7	5	6.8	0	
Morton	52	11	21.6	30	58.8	2	3.9	8	15.7	1	
Nemaha	126	28	23.0	80	65.6	3	2.5	11	9.0	4	
Neosho	230	97	42.4	85	37.1	13	5.7	34	14.8	1	
Ness	41	9	22.0	20	48.8	6	14.6	6	14.6	0	
Norton	53	16	30.2	23	43.4	8	15.1	6	11.3	0	
Osage	157	72	48.0	63	42.0	1	0.7	14	9.3	7	
Osborne	37	10	27.0	21	56.8	5	13.5	1	2.7	0	
Ottawa	68	15	22.1	43	63.2	5	7.4	5	7.4	0	
Pawnee	68	24	35.3	32	47.1	4	5.9	8	11.8	0	
Phillips	74	13	18.1	37	51.4	10	13.9	12	16.7	2	
Pottawatomie	370	124	33.8	196	53.4	10	2.7	37	10.1	3	
Pratt	149	30	20.1	86	57.7	5	3.4	28	18.8	0	
Rawlins	33	14	42.4	16	48.5	2	6.1	1	3.0	0	
Reno	742	263	35.8	332	45.2	37	5.0	102	13.9	8	
Republic	48	10	21.3	32	68.1	3	6.4	2	4.3	1	
Rice	119	36	30.8	62	53.0	4	3.4	15	12.8	2	
Riley	1,177	345	29.5	613	52.3	56	4.8	157	13.4	6	
Rooks	62	12	19.4	40	64.5	6	9.7	4	6.5	0	
Rush	31	11	39.3	13	46.4	2	7.1	2	7.1	3	
Russell	85	18	21.2	54	63.5	5	5.9	8	9.4	0	
Saline	766	231	30.4	384	50.6	53	7.0	91	12.0	7	
Scott	62	22	35.5	22	35.5	9	14.5	9	14.5	0	
Sedgwick	7,889	1,701	21.9	5,022	64.6	192	2.5	858	11.0	116	
Seward	462	104	22.6	204	44.3	34	7.4	118	25.7	2	
Shawnee	2,431	1,013	44.2	900	39.3	87	3.8	290	12.7	141	
Sheridan	26	4	15.4	16	61.5	4	15.4	2	7.7	0	
Sherman	82	21	25.9	44	54.3	9	11.1	7	8.6	1	
Smith	40	23	57.5	7	17.5	6	15.0	4	10.0	0	
Stafford	40	13	32.5	20	50.0	3	7.5	4	10.0	0	
Stanton	29	10	35.7	9	32.1	3	10.7	6	21.4	1	
Stevens	89	23	26.4	40	46.0	7	8.0	17	19.5	2	
Sumner	279	55	20.3	174	64.2	12	4.4	30	11.1	8	
Thomas	118	45	38.1	46	39.0	9	7.6	18	15.3	0	
Trego	24	4	16.7	12	50.0	3	12.5	5	20.8	0	
Wabaunsee	107	35	34.0	48	46.6	7	6.8	13	12.6	4	
Wallace	20	3	15.0	8	40.0	5	25.0	4	20.0	0	
Washington	68	26	38.2	32	47.1	7	10.3	3	4.4	0	
Wichita	31	5	16.1	14	45.2	3	9.7	9	29.0	0	
Wilson	123	49	41.5	51	43.2	6	5.1	12	10.2	5	
Woodson	28	8	28.6	15	53.6	2	7.1	3	10.7	0	
Wyandotte	2,770	658	24.4	1,155	42.8	395	14.7	488	18.1	74	
n.s.	0	0	n/a	0	n/a	0	n/a	0	n/a	0	

*See Technical Notes

†Percent calculation includes only Kansas resident live births for which number of prenatal visits, date of first prenatal visit and date of last menses were reported on the birth certificate.

Table 19
Live Births by Birth Weight in Grams
by County of Residence
Kansas, 2012

County of Residence	Birth Weight in Grams													
	Total	Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	n.s.	
Kansas	40,304	67	218	262	596	1,745	6,916	15,752	11,324	2,951	423	47	3	
Allen	154	0	1	1	1	10	27	59	34	16	4	1	0	
Anderson	85	0	0	0	1	2	12	34	27	7	2	0	0	
Atchison	204	0	2	0	2	11	31	75	67	14	1	1	0	
Barber	66	0	1	0	0	2	12	25	20	6	0	0	0	
Barton	401	1	0	0	6	15	63	178	111	23	4	0	0	
Bourbon	203	0	5	0	2	10	40	87	48	10	1	0	0	
Brown	136	0	0	3	3	4	21	52	36	15	1	1	0	
Butler	801	0	4	11	7	29	145	324	206	68	5	2	0	
Chase	26	0	0	0	1	2	4	12	6	0	1	0	0	
Chautauqua	40	0	0	0	0	0	12	17	9	2	0	0	0	
Cherokee	227	0	0	1	3	13	34	108	50	18	0	0	0	
Cheyenne	26	1	0	0	1	2	3	7	7	3	1	1	0	
Clark	30	0	0	1	0	1	5	14	7	2	0	0	0	
Clay	97	0	2	0	0	7	24	33	26	5	0	0	0	
Cloud	135	0	0	2	0	4	29	49	39	11	1	0	0	
Coffey	82	0	0	0	0	3	9	28	33	8	0	1	0	
Comanche	23	0	0	0	0	0	3	9	9	2	0	0	0	
Cowley	456	0	1	6	6	17	78	177	128	33	9	1	0	
Crawford	493	0	1	4	12	21	101	186	138	26	4	0	0	
Decatur	37	0	1	0	0	1	11	11	12	0	1	0	0	
Dickinson	205	0	2	2	1	6	37	75	66	12	3	0	1	
Doniphan	85	0	0	0	2	5	11	42	21	4	0	0	0	
Douglas	1,262	3	9	7	20	56	218	477	374	86	11	1	0	
Edwards	39	0	3	0	1	1	5	16	8	4	1	0	0	
Elk	27	0	1	0	0	4	4	14	3	1	0	0	0	
Ellis	406	0	3	3	2	14	60	147	128	45	4	0	0	
Ellsworth	67	0	0	0	3	2	9	27	20	2	4	0	0	
Finney	703	1	6	2	14	29	158	301	147	39	4	2	0	
Ford	673	0	2	6	10	32	136	283	158	39	6	1	0	
Franklin	324	0	3	2	2	15	46	125	91	32	7	1	0	
Geary	1,060	1	4	11	17	37	163	444	301	68	12	2	0	
Gove	30	0	0	0	0	0	3	15	8	4	0	0	0	
Graham	29	0	0	0	0	0	8	10	5	6	0	0	0	
Grant	112	0	1	1	4	3	22	37	38	6	0	0	0	
Gray	87	0	0	0	0	4	13	43	18	6	1	0	0	
Greeley	19	0	0	0	0	0	5	8	4	1	1	0	0	
Greenwood	59	0	0	0	0	2	9	26	18	4	0	0	0	
Hamilton	41	0	0	0	0	3	5	16	14	2	1	0	0	
Harper	66	0	0	0	1	0	7	32	20	6	0	0	0	
Harvey	463	1	0	1	12	13	78	196	135	24	3	0	0	
Haskell	58	0	0	0	1	2	11	27	13	4	0	0	0	
Hodgeman	28	0	0	1	2	0	2	13	9	1	0	0	0	
Jackson	176	0	1	0	3	4	35	65	50	18	0	0	0	
Jefferson	196	0	2	0	0	2	36	80	58	17	1	0	0	
Jewell	31	0	0	0	1	0	6	13	10	1	0	0	0	
Johnson	7,437	11	31	46	104	314	1,124	2,780	2,270	650	98	9	0	
Kearny	55	0	0	0	1	3	14	23	11	3	0	0	0	
Kingman	80	0	0	0	1	5	6	41	20	7	0	0	0	
Kiowa	32	0	0	0	2	2	6	11	10	1	0	0	0	
Labette	297	1	3	1	7	14	58	121	71	16	5	0	0	
Lane	22	0	0	1	0	1	5	7	8	0	0	0	0	
Leavenworth	966	1	2	4	15	28	166	396	280	65	9	0	0	
Lincoln	33	0	0	0	1	2	5	18	5	2	0	0	0	
Linn	97	0	1	0	3	4	11	42	29	6	1	0	0	
Logan	30	0	0	0	0	1	3	16	6	3	1	0	0	

Table 19
Live Births by Birth Weight in Grams
by County of Residence
Kansas, 2012

County of Residence	Birth Weight in Grams													
	Total	Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	n.s.	
Lyon	421	1	3	4	6	9	69	174	130	22	2	0	1	
McPherson	366	0	4	2	6	12	61	145	108	26	1	1	0	
Marion	112	0	0	0	0	6	12	45	36	11	2	0	0	
Marshall	124	0	1	1	4	5	16	48	40	5	4	0	0	
Meade	45	0	0	0	0	0	10	18	15	2	0	0	0	
Miami	364	0	2	2	5	12	57	146	108	26	4	2	0	
Mitchell	74	0	0	1	1	5	11	26	21	7	2	0	0	
Montgomery	502	0	3	2	6	24	116	215	111	22	2	1	0	
Morris	73	0	0	0	1	7	12	30	20	2	1	0	0	
Morton	52	0	1	0	2	4	11	18	13	3	0	0	0	
Nemaha	126	1	1	1	2	6	22	40	44	8	1	0	0	
Neosho	230	0	0	5	3	7	38	94	64	17	1	1	0	
Ness	41	0	0	0	1	2	7	14	10	7	0	0	0	
Norton	53	0	0	0	0	5	10	25	12	0	1	0	0	
Osage	157	0	1	0	2	7	21	65	45	16	0	0	0	
Osborne	37	1	0	1	1	3	2	18	11	0	0	0	0	
Ottawa	68	0	0	0	2	4	6	29	24	2	1	0	0	
Pawnee	68	1	0	1	2	2	10	29	17	5	1	0	0	
Phillips	74	1	0	0	1	3	11	27	16	13	0	2	0	
Pottawatomie	370	0	2	0	2	10	37	163	127	23	6	0	0	
Pratt	149	0	0	0	0	7	27	66	43	6	0	0	0	
Rawlins	33	0	0	2	2	3	2	11	10	3	0	0	0	
Reno	742	0	1	2	14	29	129	282	222	53	10	0	0	
Republic	48	0	0	0	0	5	6	22	12	3	0	0	0	
Rice	119	0	1	1	2	3	24	51	34	3	0	0	0	
Riley	1,177	3	8	4	7	46	189	468	339	99	14	0	0	
Rooks	62	0	0	0	0	1	13	26	15	6	1	0	0	
Rush	31	0	1	0	0	0	4	14	10	1	1	0	0	
Russell	85	0	1	0	1	5	19	25	27	7	0	0	0	
Saline	766	1	7	3	17	37	128	293	223	50	7	0	0	
Scott	62	0	0	0	3	1	10	30	15	3	0	0	0	
Sedgwick	7,889	23	45	65	116	410	1,381	2,952	2,211	590	88	7	1	
Seward	462	2	3	1	2	14	78	215	114	31	1	1	0	
Shawnee	2,431	3	14	18	47	111	446	931	660	172	26	3	0	
Sheridan	26	0	0	0	1	0	6	11	5	2	1	0	0	
Sherman	82	0	1	1	1	3	22	30	21	3	0	0	0	
Smith	40	0	0	0	2	2	9	15	10	2	0	0	0	
Stafford	40	0	0	0	0	0	7	17	8	7	1	0	0	
Stanton	29	0	0	0	0	0	1	10	8	8	2	0	0	
Stevens	89	0	1	0	0	3	14	34	26	9	2	0	0	
Sumner	279	0	3	3	4	12	55	111	70	16	4	1	0	
Thomas	118	0	0	1	1	5	27	45	30	8	1	0	0	
Trego	24	0	0	0	0	2	6	8	7	1	0	0	0	
Wabaunsee	107	0	2	0	2	5	16	34	36	10	2	0	0	
Wallace	20	0	0	0	1	0	1	14	3	1	0	0	0	
Washington	68	0	2	1	1	2	11	20	25	6	0	0	0	
Wichita	31	0	0	1	0	0	3	17	6	3	1	0	0	
Wilson	123	0	0	0	0	7	19	52	39	5	1	0	0	
Woodson	28	0	0	0	0	1	4	8	11	4	0	0	0	
Wyandotte	2,770	9	18	22	48	135	562	1,101	672	174	25	4	0	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 20
 Live Births by Initiation of Breastfeeding*
 by County of Residence
 Kansas , 2012

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		n.s. [†]
		Number	Percent	Number	Percent	
Kansas	40,304	32,758	81.7	7,351	18.3	195
Allen	154	114	74.0	40	26.0	0
Anderson	85	62	72.9	23	27.1	0
Atchison	204	132	66.0	68	34.0	4
Barber	66	48	72.7	18	27.3	0
Barton	401	308	77.0	92	23.0	1
Bourbon	203	187	92.6	15	7.4	1
Brown	136	112	83.0	23	17.0	1
Butler	801	658	82.6	139	17.4	4
Chase	26	21	80.8	5	19.2	0
Chautauqua	40	35	87.5	5	12.5	0
Cherokee	227	150	66.4	76	33.6	1
Cheyenne	26	24	96.0	1	4.0	1
Clark	30	22	73.3	8	26.7	0
Clay	97	71	73.2	26	26.8	0
Cloud	135	110	81.5	25	18.5	0
Coffey	82	68	82.9	14	17.1	0
Comanche	23	20	87.0	3	13.0	0
Cowley	456	330	72.4	126	27.6	0
Crawford	493	350	71.4	140	28.6	3
Decatur	37	29	78.4	8	21.6	0
Dickinson	205	157	77.3	46	22.7	2
Doniphan	85	53	62.4	32	37.6	0
Douglas	1,262	1,101	87.7	155	12.3	6
Edwards	39	24	61.5	15	38.5	0
Elk	27	22	81.5	5	18.5	0
Ellis	406	343	84.5	63	15.5	0
Ellsworth	67	50	74.6	17	25.4	0
Finney	703	595	85.1	104	14.9	4
Ford	673	464	69.6	203	30.4	6
Franklin	324	228	70.4	96	29.6	0
Geary	1,060	838	79.4	217	20.6	5
Gove	30	25	83.3	5	16.7	0
Graham	29	23	79.3	6	20.7	0
Grant	112	75	68.8	34	31.2	3
Gray	87	69	80.2	17	19.8	1
Greeley	19	15	78.9	4	21.1	0
Greenwood	59	47	79.7	12	20.3	0
Hamilton	41	32	78.0	9	22.0	0
Harper	66	53	80.3	13	19.7	0
Harvey	463	408	88.1	55	11.9	0
Haskell	58	51	87.9	7	12.1	0
Hodgeman	28	26	92.9	2	7.1	0
Jackson	176	145	82.9	30	17.1	1
Jefferson	196	155	79.5	40	20.5	1
Jewell	31	25	80.6	6	19.4	0
Johnson	7,437	6,700	90.6	699	9.4	38
Kearny	55	47	85.5	8	14.5	0
Kingman	80	67	83.8	13	16.3	0
Kiowa	32	29	90.6	3	9.4	0
Lambette	297	191	64.7	104	35.3	2
Lane	22	19	86.4	3	13.6	0
Leavenworth	966	781	81.1	182	18.9	3
Lincoln	33	23	69.7	10	30.3	0
Linn	97	81	84.4	15	15.6	1
Logan	30	26	86.7	4	13.3	0

Table 20
Live Births by Initiation of Breastfeeding*
by County of Residence
Kansas , 2012

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		n.s. [†]
		Number	Percent	Number	Percent	
Lyon	421	347	83.0	71	17.0	3
McPherson	112	99	88.4	13	11.6	0
Marion	124	103	83.1	21	16.9	0
Marshall	366	302	82.7	63	17.3	1
Meade	45	30	68.2	14	31.8	1
Miami	364	306	84.1	58	15.9	0
Mitchell	74	55	74.3	19	25.7	0
Montgomery	502	329	66.1	169	33.9	4
Morris	73	57	78.1	16	21.9	0
Morton	52	40	76.9	12	23.1	0
Nemaha	126	100	81.3	23	18.7	3
Neosho	230	148	64.3	82	35.7	0
Ness	41	32	80.0	8	20.0	1
Norton	53	45	84.9	8	15.1	0
Osage	157	120	76.9	36	23.1	1
Osborne	37	32	88.9	4	11.1	1
Ottawa	68	56	82.4	12	17.6	0
Pawnee	68	52	77.6	15	22.4	1
Phillips	74	63	86.3	10	13.7	1
Pottawatomie	370	327	88.6	42	11.4	1
Pratt	149	119	79.9	30	20.1	0
Rawlins	33	28	84.8	5	15.2	0
Reno	742	577	78.1	162	21.9	3
Republic	48	43	89.6	5	10.4	0
Rice	119	98	82.4	21	17.6	0
Riley	1,177	998	85.3	172	14.7	7
Rooks	62	49	79.0	13	21.0	0
Rush.	31	21	72.4	8	27.6	2
Russell	85	64	75.3	21	24.7	0
Saline	766	595	78.1	167	21.9	4
Scott	62	49	80.3	12	19.7	1
Sedgwick	7,889	6,499	82.7	1,357	17.3	33
Seward	462	326	71.3	131	28.7	5
Shawnee	2,431	1,848	76.4	572	23.6	11
Sheridan	26	20	80.0	5	20.0	1
Sherman	82	70	87.5	10	12.5	2
Smith	40	28	70.0	12	30.0	0
Stafford	40	33	82.5	7	17.5	0
Stanton	29	27	93.1	2	6.9	0
Stevens	89	70	80.5	17	19.5	2
Sumner	279	210	75.5	68	24.5	1
Thomas	118	103	87.3	15	12.7	0
Trego	24	20	83.3	4	16.7	0
Wabaunsee	107	95	88.8	12	11.2	0
Wallace	20	19	95.0	1	5.0	0
Washington	68	52	77.6	15	22.4	1
Wichita	31	24	80.0	6	20.0	1
Wilson	123	81	65.9	42	34.1	0
Woodson	28	24	85.7	4	14.3	0
Wyandotte	2,770	2,086	75.7	670	24.3	14
n.s.	0	0	n/a	0	n/a	0

*See Technical Notes

[†]Not stated (n.s.) includes births with missing/unknown data and where the infant died shortly after birth.

Table 21
Live Births by the Mother's Reported Cigarette Use*
by County of Residence
Kansas, 2012

County of Residence	Total	3 Months Prior to Pregnancy	First Trimester of Pregnancy	Second Trimester of Pregnancy	Third Trimester of Pregnancy	Any Time During Pregnancy		n.s.
						Number	Percent	
Kansas	40,304	6,456	5,422	4,781	4,624	5,494	13.7	92
Allen	154	49	46	43	41	46	29.9	0
Anderson	85	15	13	11	11	13	15.5	1
Atchison	204	64	60	51	51	60	29.4	0
Barber	66	14	14	12	12	14	21.2	0
Barton	401	93	77	68	66	80	20.0	0
Bourbon	203	48	45	43	43	45	22.2	0
Brown	136	45	34	31	32	35	25.7	0
Butler	801	174	157	143	137	158	19.8	1
Chase	26	7	3	3	3	3	11.5	0
Chautauqua	40	12	12	11	11	12	30.0	0
Cherokee	227	68	57	50	48	59	26.0	0
Cheyenne	26	4	3	3	2	3	11.5	0
Clark	30	3	3	3	3	3	10.0	0
Clay	97	25	19	18	17	19	19.6	0
Cloud	135	41	34	29	30	36	26.7	0
Coffey	82	22	16	13	13	17	20.7	0
Comanche	23	6	4	3	2	4	17.4	0
Cowley	456	136	112	97	92	112	24.6	1
Crawford	493	108	97	95	94	98	19.9	1
Decatur	37	6	6	5	5	6	16.2	0
Dickinson	205	53	41	36	31	43	21.0	0
Doniphan	85	19	15	13	11	15	17.6	0
Douglas	1,262	181	147	127	122	149	11.8	1
Edwards	39	5	5	5	5	5	12.8	0
Elk	27	4	3	3	3	3	11.1	0
Ellis	406	80	58	47	45	58	14.3	0
Ellsworth	67	15	12	10	10	12	17.9	0
Finney	703	82	63	51	46	64	9.2	4
Ford	673	26	23	21	20	23	3.5	7
Franklin	324	93	77	63	63	79	24.4	0
Geary	1,060	175	139	121	110	142	13.4	2
Gove	30	3	2	2	2	2	6.7	0
Graham	29	8	6	5	5	6	20.7	0
Grant	112	8	3	2	1	3	2.7	1
Gray	87	7	3	3	3	3	3.5	1
Greeley	19	2	2	1	1	2	10.5	0
Greenwood	59	15	12	9	9	12	20.7	1
Hamilton	41	7	4	3	3	4	9.8	0
Harper	66	13	12	12	12	12	18.2	0
Harvey	463	71	63	55	54	66	14.3	0
Haskell	58	7	4	4	4	4	7.0	1
Hodgeman	28	4	3	3	3	3	10.7	0
Jackson	176	43	33	28	26	33	18.8	0
Jefferson	196	47	39	33	34	41	20.9	0
Jewell	31	9	6	6	6	7	22.6	0
Johnson	7,437	511	364	283	266	371	5.0	10
Kearny	55	7	5	5	5	5	9.1	0
Kingman	80	17	16	14	14	16	20.0	0
Kiowa	32	2	1	0	0	1	3.1	0
Labette	297	70	64	61	58	64	21.5	0
Lane	22	4	2	1	1	2	9.1	0
Leavenworth	966	191	149	128	121	151	15.6	1
Lincoln	33	9	7	7	7	8	24.2	0
Linn	97	24	23	21	21	23	23.7	0
Logan	30	7	4	3	3	4	13.3	0

Table 21
 Live Births by the Mother's Reported Cigarette Use*
 by County of Residence
 Kansas, 2012

County of Residence	Total	3 Months Prior to Pregnancy	First Trimester of Pregnancy	Second Trimester of Pregnancy	Third Trimester of Pregnancy	Any Time During Pregnancy		n.s.
						Number	Percent	
Lyon	421	69	57	47	44	57	13.6	2
McPherson	366	63	48	41	42	50	13.7	2
Marion	112	21	21	14	13	21	18.8	0
Marshall	124	19	19	18	16	20	16.1	0
Meade	45	2	2	2	2	2	4.4	0
Miami	364	92	65	51	46	68	18.7	0
Mitchell	74	10	7	6	6	7	9.5	0
Montgomery	502	131	119	108	104	120	24.0	2
Morris	73	19	18	14	14	18	24.7	0
Morton	52	5	4	4	3	4	7.7	0
Nemaha	126	16	16	14	14	16	12.9	2
Neosho	230	62	49	44	44	51	22.2	0
Ness	41	6	4	3	3	4	9.8	0
Norton	53	15	14	11	11	14	26.4	0
Osage	157	34	31	29	28	34	21.7	0
Osborne	37	8	8	5	5	8	21.6	0
Ottawa	68	18	15	13	13	15	22.1	0
Pawnee	68	16	12	12	10	12	17.6	0
Phillips	74	13	12	9	9	12	16.2	0
Pottawatomie	370	44	33	28	26	34	9.2	1
Pratt	149	39	32	23	20	33	22.1	0
Rawlins	33	7	7	7	5	7	21.2	0
Reno	742	162	133	113	109	135	18.3	3
Republic	48	6	6	4	4	6	12.5	0
Rice.	119	30	24	20	21	24	20.2	0
Riley	1,177	143	116	100	91	117	9.9	1
Rooks	62	21	17	12	9	17	27.4	0
Rush	31	4	4	2	2	4	13.8	2
Russell	85	31	25	19	20	25	29.4	0
Saline	766	212	177	155	152	180	23.5	0
Scott	62	14	10	9	8	10	16.1	0
Sedgwick	7,889	1,179	1,111	1,048	1,038	1,114	14.1	13
Seward	462	40	30	27	28	31	6.7	2
Shawnee	2,431	589	476	407	396	482	20.0	18
Sheridan	26	2	2	2	2	2	7.7	0
Sherman	82	16	14	13	13	15	18.3	0
Smith	40	10	6	6	6	6	15.0	0
Stafford	40	10	10	8	8	10	25.0	0
Stanton	29	2	2	1	0	2	6.9	0
Stevens	89	11	7	9	8	9	10.2	1
Sumner	279	76	67	64	63	68	24.7	4
Thomas	118	21	19	16	15	19	16.1	0
Trego	24	2	2	2	2	2	8.3	0
Wabaunsee	107	15	11	10	10	11	10.4	1
Wallace	20	2	1	1	1	1	5.0	0
Washington	68	4	4	4	5	5	7.4	0
Wichita	31	4	3	3	3	3	9.7	0
Wilson	123	32	26	25	26	26	21.1	0
Woodson	28	4	3	3	3	3	10.7	0
Wyandotte	2,770	346	301	277	265	301	10.9	5
n.s.	0	0	0	0	0	0	n/a	0

* See Technical Notes

Table 22
 Live Births by Birth Weight Category for Gestational Age*
 by County of Residence
 Kansas, 2012

County of Residence	Total	Normal for Gestational Age (10th or greater percentile)		Small for Gestational Age (Less than 10th percentile)		n.s.
		Number	Percent	Number	Percent	
Kansas	40,304	36,277	90.1	4,003	9.9	24
Allen	154	137	89.0	17	11.0	0
Anderson	85	82	96.5	3	3.5	0
Atchison	204	187	91.7	17	8.3	0
Barber	66	59	89.4	7	10.6	0
Barton	401	362	90.3	39	9.7	0
Bourbon	203	183	92.4	15	7.6	5
Brown	136	124	91.2	12	8.8	0
Butler	801	727	90.8	74	9.2	0
Chase	26	23	88.5	3	11.5	0
Chautauqua	40	35	87.5	5	12.5	0
Cherokee	227	208	92.0	18	8.0	1
Cheyenne	26	24	92.3	2	7.7	0
Clark	30	28	93.3	2	6.7	0
Clay	97	88	90.7	9	9.3	0
Cloud	135	126	93.3	9	6.7	0
Coffey	82	76	92.7	6	7.3	0
Comanche	23	20	87.0	3	13.0	0
Cowley	456	404	88.6	52	11.4	0
Crawford	493	448	90.9	45	9.1	0
Decatur	37	29	78.4	8	21.6	0
Dickinson	205	185	90.7	19	9.3	1
Doniphan	85	75	88.2	10	11.8	0
Douglas	1,262	1,121	88.8	141	11.2	0
Edwards	39	34	89.5	4	10.5	1
Elk	27	22	81.5	5	18.5	0
Ellis	406	386	95.1	20	4.9	0
Ellsworth	67	63	94.0	4	6.0	0
Finney	703	624	88.8	79	11.2	0
Ford	673	586	87.1	87	12.9	0
Franklin	324	298	92.0	26	8.0	0
Geary	1,060	976	92.1	84	7.9	0
Gove	30	29	96.7	1	3.3	0
Graham	29	27	93.1	2	6.9	0
Grant	112	95	84.8	17	15.2	0
Gray	87	78	89.7	9	10.3	0
Greeley	19	15	78.9	4	21.1	0
Greenwood	59	54	91.5	5	8.5	0
Hamilton	41	39	95.1	2	4.9	0
Harper	66	64	97.0	2	3.0	0
Harvey	463	424	91.6	39	8.4	0
Haskell	58	52	89.7	6	10.3	0
Hodgeman	28	27	96.4	1	3.6	0
Jackson	176	160	90.9	16	9.1	0
Jefferson	196	186	94.9	10	5.1	0
Jewell	31	27	87.1	4	12.9	0
Johnson	7,437	6,792	91.4	642	8.6	3
Kearny	55	50	90.9	5	9.1	0
Kingman	80	76	95.0	4	5.0	0
Kiowa	32	28	87.5	4	12.5	0
Labette	297	269	90.6	28	9.4	0
Lane	22	19	86.4	3	13.6	0
Leavenworth	966	880	91.1	86	8.9	0
Lincoln	33	29	87.9	4	12.1	0
Linn	97	90	92.8	7	7.2	0
Logan	30	30	100.0	0	0.0	0

Table 22
 Live Births by Birth Weight Category for Gestational Age*
 by County of Residence
 Kansas, 2012

County of Residence	Total	Normal for Gestational Age (10th or greater percentile)		Small for Gestational Age (Less than 10th percentile)		n.s.
		Number	Percent	Number	Percent	
Lyon	421	384	91.4	36	8.6	1
McPherson	366	328	89.6	38	10.4	0
Marion	112	105	93.8	7	6.3	0
Marshall	124	114	91.9	10	8.1	0
Meade	45	44	97.8	1	2.2	0
Miami	364	337	92.6	27	7.4	0
Mitchell	74	65	87.8	9	12.2	0
Montgomery	502	432	86.1	70	13.9	0
Morris	73	67	91.8	6	8.2	0
Morton	52	44	84.6	8	15.4	0
Nemaha	126	112	88.9	14	11.1	0
Neosho	230	208	90.4	22	9.6	0
Ness	41	35	87.5	5	12.5	1
Norton	53	47	88.7	6	11.3	0
Osage	157	143	91.1	14	8.9	0
Osborne	37	34	91.9	3	8.1	0
Ottawa	68	61	89.7	7	10.3	0
Pawnee	68	64	94.1	4	5.9	0
Phillips	74	67	91.8	6	8.2	1
Pottawatomie	370	353	95.4	17	4.6	0
Pratt	149	132	88.6	17	11.4	0
Rawlins	33	31	93.9	2	6.1	0
Reno	742	672	90.6	70	9.4	0
Republic	48	44	91.7	4	8.3	0
Rice	119	109	91.6	10	8.4	0
Riley	1,177	1,078	91.6	99	8.4	0
Rooks	62	56	90.3	6	9.7	0
Rush	31	27	87.1	4	12.9	0
Russell	85	75	88.2	10	11.8	0
Saline	766	681	88.9	85	11.1	0
Scott	62	55	88.7	7	11.3	0
Sedgwick	7,889	7,040	89.2	848	10.8	1
Seward	462	411	89.0	51	11.0	0
Shawnee	2,431	2,172	89.5	254	10.5	5
Sheridan	26	23	92.0	2	8.0	1
Sherman	82	73	90.1	8	9.9	1
Smith	40	36	90.0	4	10.0	0
Stafford	40	38	95.0	2	5.0	0
Stanton	29	24	82.8	5	17.2	0
Stevens	89	81	91.0	8	9.0	0
Sumner	279	240	86.0	39	14.0	0
Thomas	118	103	87.3	15	12.7	0
Trego	24	19	79.2	5	20.8	0
Wabaunsee	107	99	92.5	8	7.5	0
Wallace	20	18	90.0	2	10.0	0
Washington	68	63	92.6	5	7.4	0
Wichita	31	30	96.8	1	3.2	0
Wilson	123	110	89.4	13	10.6	0
Woodson	28	24	85.7	4	14.3	0
Wyandotte	2,770	2,389	86.3	379	13.7	2
n.s.	0	0	n/a	0	n/a	0

* See Technical Notes

Table 23
 Mother's Weight Gain in Pregnancy for Singleton Births, by Prepregnancy BMI Category*
 by County of Residence
 Kansas, 2012

County of Residence	Singleton Births	Less than Recommended Weight Gain		Recommended Weight Gain		More than Recommended Weight Gain		n.s. ^T
		Number	Percent	Number	Percent	Number	Percent	
Kansas	38,904	7,760	20.2	12,262	31.9	18,406	47.9	476
Allen	152	41	27.3	41	27.3	68	45.3	2
Anderson	81	17	21.3	27	33.8	36	45.0	1
Atchison	195	44	22.7	55	28.4	95	49.0	1
Barber	64	16	25.0	18	28.1	30	46.9	0
Barton	393	94	24.2	113	29.0	182	46.8	4
Bourbon	188	58	31.4	63	34.1	64	34.6	3
Brown	132	28	21.5	31	23.8	71	54.6	2
Butler	774	142	18.5	242	31.5	384	50.0	6
Chase	24	6	25.0	8	33.3	10	41.7	0
Chautauqua	38	12	31.6	9	23.7	17	44.7	0
Cherokee	221	52	23.9	71	32.6	95	43.6	3
Cheyenne	24	5	22.7	2	9.1	15	68.2	2
Clark	30	3	10.0	9	30.0	18	60.0	0
Clay	89	20	22.5	27	30.3	42	47.2	0
Cloud	133	27	20.5	42	31.8	63	47.7	1
Coffey	80	14	17.5	30	37.5	36	45.0	0
Comanche	23	2	8.7	11	47.8	10	43.5	0
Cowley	438	96	22.1	136	31.3	202	46.5	4
Crawford	479	117	24.5	137	28.7	223	46.8	2
Decatur	37	5	13.5	18	48.6	14	37.8	0
Dickinson	202	39	19.3	66	32.7	97	48.0	0
Doniphan	83	16	19.5	25	30.5	41	50.0	1
Douglas	1,225	266	21.9	391	32.3	555	45.8	13
Edwards	35	8	22.9	10	28.6	17	48.6	0
Elk	24	7	29.2	7	29.2	10	41.7	0
Ellis	393	71	18.1	133	33.9	188	48.0	1
Ellsworth	67	13	19.4	20	29.9	34	50.7	0
Finney	685	172	25.3	215	31.6	294	43.2	4
Ford	660	160	24.4	224	34.1	273	41.6	3
Franklin	318	66	21.0	87	27.7	161	51.3	4
Geary	1,031	216	21.1	279	27.3	527	51.6	9
Gove	30	7	23.3	11	36.7	12	40.0	0
Graham	25	4	16.0	9	36.0	12	48.0	0
Grant.	112	30	29.1	33	32.0	40	38.8	9
Gray	87	15	17.2	34	39.1	38	43.7	0
Greeley	19	9	50.0	6	33.3	3	16.7	1
Greenwood	59	8	14.0	15	26.3	34	59.6	2
Hamilton	41	18	43.9	6	14.6	17	41.5	0
Harper	66	11	17.5	23	36.5	29	46.0	3
Harvey	452	91	20.4	149	33.4	206	46.2	6
Haskell	58	10	18.5	16	29.6	28	51.9	4
Hodgeman	24	3	12.5	7	29.2	14	58.3	0
Jackson	173	39	23.1	50	29.6	80	47.3	4
Jefferson	192	38	20.1	57	30.2	94	49.7	3
Jewell	31	6	19.4	9	29.0	16	51.6	0
Johnson	7,107	1,152	16.3	2,561	36.2	3,359	47.5	35
Kearny	55	13	23.6	22	40.0	20	36.4	0
Kingman	79	24	30.4	27	34.2	28	35.4	0
Kiowa	30	4	13.3	14	46.7	12	40.0	0
Labette	281	60	21.9	88	32.1	126	46.0	7
Lane	22	3	13.6	8	36.4	11	50.0	0
Leavenworth	935	164	17.6	296	31.8	470	50.5	5
Lincoln	31	8	25.8	9	29.0	14	45.2	0
Linn	93	22	23.7	20	21.5	51	54.8	0
Logan	30	7	23.3	12	40.0	11	36.7	0

Table 23
Mother's Weight Gain in Pregnancy for Singleton Births, by Prepregnancy BMI Category*
by County of Residence
Kansas, 2012

County of Residence	Singleton Births	Less than Recommended Weight Gain		Recommended Weight Gain		More than Recommended Weight Gain		n.s. ^T
		Number	Percent	Number	Percent	Number	Percent	
Lyon	405	67	17.0	119	30.3	207	52.7	12
McPherson	358	65	18.2	136	38.0	157	43.9	0
Marion	112	25	22.3	27	24.1	60	53.6	0
Marshall	120	36	30.0	35	29.2	49	40.8	0
Meade	41	5	12.8	14	35.9	20	51.3	2
Miami	352	57	16.2	129	36.8	165	47.0	1
Mitchell	71	11	15.5	28	39.4	32	45.1	0
Montgomery	488	125	25.8	159	32.9	200	41.3	4
Morris	71	20	28.2	19	26.8	32	45.1	0
Morton	50	12	24.5	14	28.6	23	46.9	1
Nemaha	116	25	22.1	33	29.2	55	48.7	3
Neosho	218	63	29.4	55	25.7	96	44.9	4
Ness	41	9	23.1	11	28.2	19	48.7	2
Norton	53	9	17.0	18	34.0	26	49.1	0
Osage	157	27	17.9	50	33.1	74	49.0	6
Osborne	33	11	33.3	12	36.4	10	30.3	0
Ottawa	64	22	34.4	14	21.9	28	43.8	0
Pawnee	61	11	18.0	15	24.6	35	57.4	0
Phillips	74	21	29.6	21	29.6	29	40.8	3
Pottawatomie	362	70	19.6	128	35.8	160	44.7	4
Pratt	147	34	23.1	43	29.3	70	47.6	0
Rawlins	31	4	12.9	13	41.9	14	45.2	0
Reno	710	152	21.6	192	27.2	361	51.2	5
Republic	48	11	22.9	16	33.3	21	43.8	0
Rice	116	39	33.9	32	27.8	44	38.3	1
Riley	1,133	218	19.4	341	30.3	565	50.3	9
Rooks	62	15	24.2	17	27.4	30	48.4	0
Rush	31	5	17.2	10	34.5	14	48.3	2
Russell	82	21	25.6	25	30.5	36	43.9	0
Saline	731	137	18.8	249	34.2	343	47.1	2
Scott	59	18	30.5	14	23.7	27	45.8	0
Sedgwick	7,611	1,429	19.0	2,353	31.3	3,733	49.7	96
Seward	452	112	25.4	133	30.2	196	44.4	11
Shawnee	2,341	470	21.2	629	28.4	1,114	50.3	128
Sheridan	26	7	26.9	7	26.9	12	46.2	0
Sherman	82	16	21.1	17	22.4	43	56.6	6
Smith	37	9	25.0	13	36.1	14	38.9	1
Stafford	40	5	12.5	16	40.0	19	47.5	0
Stanton	29	7	24.1	8	27.6	14	48.3	0
Stevens	87	21	26.3	18	22.5	41	51.3	7
Sumner	267	60	23.0	78	29.9	123	47.1	6
Thomas	110	23	21.1	35	32.1	51	46.8	1
Trego	22	9	40.9	5	22.7	8	36.4	0
Wabaunsee	99	20	20.8	19	19.8	57	59.4	3
Wallace	20	6	31.6	6	31.6	7	36.8	1
Washington	64	12	18.8	24	37.5	28	43.8	0
Wichita	31	6	19.4	11	35.5	14	45.2	0
Wilson	117	29	24.8	37	31.6	51	43.6	0
Woodson	28	8	28.6	9	32.1	11	39.3	0
Wyandotte	2,694	587	21.9	826	30.8	1,271	47.4	10
n.s.	0	0	n/a	0	n/a	0	n/a	0

* See Technical Notes

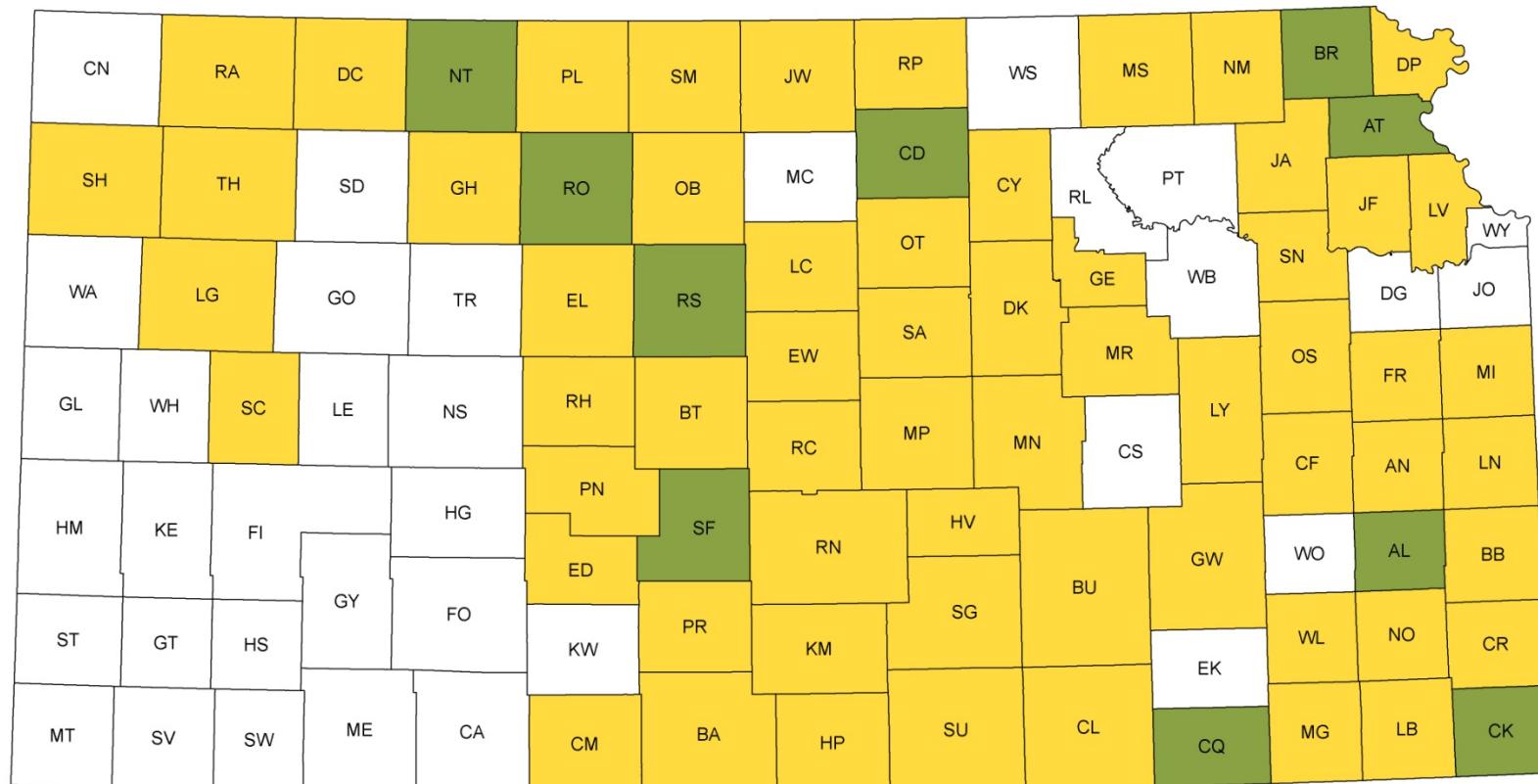
^T includes births where height, prepregnancy weight or weight at delivery are unknown

Table 24
 Live Births by Age-Group of Mother by Birth Weight in Grams
 Kansas, 2012

Age-Group of Mother	Total	Birth Weight in Grams													
		Under 500	500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	n.s.		
Total	40,304	67	218	262	596	1,745	6,916	15,752	11,324	2,951	423	47	3		
10-14	28	0	0	1	0	0	6	13	6	2	0	0	0		
15-19	3,303	5	22	16	50	158	686	1,419	780	150	14	2	1		
20-24	10,219	20	68	68	150	465	1985	4,245	2,585	569	57	7	0		
25-29	12,731	18	68	72	180	502	2,059	4,938	3,724	1011	143	16	0		
30-34	9,492	17	40	64	137	389	1,443	3,537	2,916	800	132	16	1		
35-39	3,737	6	16	32	60	189	588	1,338	1,100	343	61	3	1		
40-44	747	1	3	9	19	40	138	245	205	69	16	2	0		
45 & Over	46	0	1	0	0	2	11	17	8	6	0	1	0		
n.s.	1	0	0	0	0	0	0	0	0	1	0	0	0		

Percent of Maternal Tobacco Use During Pregnancy By County of Residence

Kansas, 2012



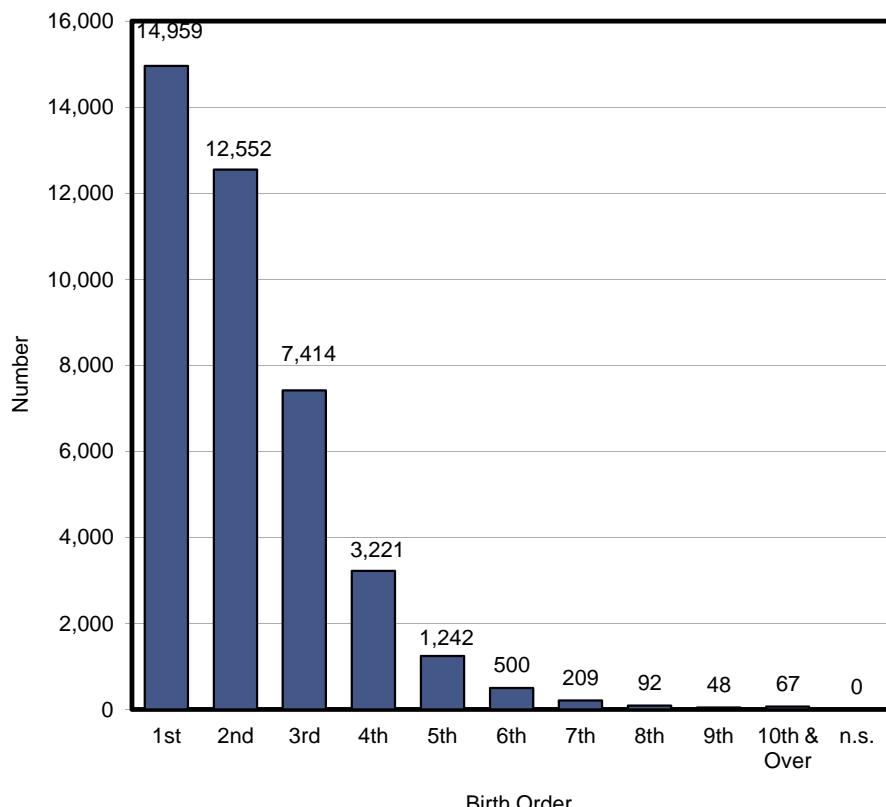
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Figure 14

Live Births by Birth Order*

Kansas, 2012



* Sum of prior live births plus current birth.

Figure 15

Table 25
Live Births by Age-Group of Mother by Birth Order
Kansas, 2012

Birth Order	Total	Age-Group of Mother									n.s.
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Total	40,304	861	28	3,303	10,219	12,731	9,492	3,737	747	46	1
First	14,959	809	28	2,715	4,813	4,472	2,185	634	104	8	0
Second	12,552	50	0	515	3,477	4,215	3,169	1,013	151	11	1
Third	7,414	2	0	60	1,426	2,510	2,280	947	184	7	0
Fourth	3,221	0	0	12	393	1,019	1,103	575	115	4	0
Fifth	1,242	0	0	0	85	344	446	292	70	5	0
Sixth	500	0	0	0	18	116	188	143	33	2	0
Seventh	209	0	0	1	5	40	74	57	31	1	0
Eighth	92	0	0	0	2	12	27	33	15	3	0
Ninth	48	0	0	0	0	1	9	23	14	1	0
Tenth & Over	67	0	0	0	0	2	11	20	30	4	0
n.s.	0	0	0	0	0	0	0	0	0	0	0

Table 26
 Live Births by Trimester Prenatal Care Began
 by Population Group of Mother
 Kansas, 2012

Population Group of Mother	Total	Trimester Care Began										n.s.	
		1st		2nd		3rd		None					
		Number	Percent	Number	Percent	Number	Percent	Number	Percent				
Kansas	40,304	31,457	78.9	6,860	17.2	1,202	3.0	352	0.9	433			
White Non-Hispanic	28,995	23,778	82.7	4,144	14.4	658	2.3	155	0.5	260			
Black Non-Hispanic	2,682	1,829	69.3	623	23.6	133	5.0	56	2.1	41			
Native American Non-Hispanic	196	130	66.7	50	25.6	11	5.6	4	2.1	1			
Asian/Pacific Islander Non-Hispanic	1,207	936	78.3	201	16.8	44	3.7	14	1.2	12			
Other Non-Hispanic	916	646	72.1	198	22.1	43	4.8	9	1.0	20			
Hispanic	6,286	4,126	66.7	1,640	26.5	311	5.0	113	1.8	96			
n.s.	22	12	63.2	4	21.1	2	10.5	1	5.3	3			

Table 27
Live Births by Population Group of Mother by Birth Weight in Grams
Kansas, 2012

Population Group of Mother	Total	Under 500	Birth Weight in Grams													
			500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	n.s.			
Total	40,304	67	218	262	596	1,745	6,916	15,752	11,324	2,951	423	47	3			
White Non-Hispanic	28,995	27	136	175	402	1,152	4,588	11,189	8,665	2,300	328	31	2			
Black Non-Hispanic	2,682	24	28	38	71	192	689	1,029	478	112	19	2	0			
Native American Non-Hispanic	196	1	0	2	1	7	32	78	58	13	4	0	0			
Asian/Pacific Islander Non-Hispanic	1,207	0	5	8	28	74	288	513	244	42	3	2	0			
Other/Multi-Race Non-Hispanic	916	2	9	3	13	54	190	379	208	48	10	0	0			
Hispanic	6,286	13	39	36	81	266	1,124	2,554	1,668	434	59	12	0			
n.s.	22	0	1	0	0	0	5	10	3	2	0	0	1			

Table 28
Live Births by Population Group of Mother by Final Route of Delivery
Kansas, 2012

Population Group of Mother	Total	Final Route of Delivery									
		Vaginal, Spontaneous	Vaginal, Forceps	Vaginal, Vacuum	Percent Vaginal	Cesarean, Trial of Labor	Cesarean, no Trial of Labor	Cesarean, Trial N.S.	Percent Cesarean	Percent Cesarean w/ Trial	n.s.
Total	40,304	26,597	448	1,087	69.8	3,956	8,176	28	30.2	32.6	12
White Non-Hispanic	28,995	18,978	335	787	69.3	2,851	6,015	22	30.7	32.2	7
Black Non-Hispanic	2,682	1,708	17	52	66.3	332	570	3	33.7	36.8	0
Native American Non-Hispanic	196	133	4	4	71.9	19	36	0	28.1	34.5	0
Asian/Pacific Islander Non-Hispanic	1,207	763	28	44	69.2	159	211	2	30.8	43.0	0
Other/Multi-Race Non-Hispanic	916	609	15	26	71.0	99	167	0	29.0	37.2	0
Hispanic	6,286	4,391	49	173	73.4	496	1,175	1	26.6	29.7	1
n.s.	22	15	0	1	88.9	0	2	0	11.1	0.0	4

Table 29
Live Births by Population Group
by County of Residence
Kansas, 2012

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Kansas	40,304	28,995	2,682	196	1,207	916	6,286	22
Allen	154	144	4	1	1	2	2	0
Anderson	85	84	0	1	0	0	0	0
Atchison	204	184	12	0	1	3	4	0
Barber	66	64	0	1	0	0	1	0
Barton	401	305	2	0	1	5	87	1
Bourbon	203	186	7	0	3	3	4	0
Brown	136	104	1	16	3	3	9	0
Butler	801	728	6	3	13	14	37	0
Chase	26	24	0	0	0	1	1	0
Chautauqua	40	36	0	1	0	2	1	0
Cherokee	227	199	1	5	2	10	10	0
Cheyenne	26	22	0	0	0	1	3	0
Clark	30	25	1	0	1	2	1	0
Clay	97	96	0	0	0	0	1	0
Cloud	135	121	2	2	2	4	4	0
Coffey	82	72	0	0	3	2	5	0
Comanche	23	21	0	0	0	0	2	0
Cowley	456	365	6	10	5	10	60	0
Crawford	493	439	6	0	6	12	30	0
Decatur	37	35	0	0	0	1	1	0
Dickinson	205	186	1	0	1	6	10	1
Doniphan	85	81	1	0	0	2	1	0
Douglas	1,262	979	43	29	67	48	95	1
Edwards	39	25	0	0	0	1	13	0
Elk	27	24	0	1	0	0	2	0
Ellis	406	356	2	0	2	4	42	0
Ellsworth	67	63	0	0	1	1	2	0
Finney	703	253	9	0	24	17	398	2
Ford	673	184	12	0	3	3	471	0
Franklin	324	305	0	0	3	3	13	0
Geary	1,060	633	176	4	46	47	154	0
Gove	30	30	0	0	0	0	0	0
Graham	29	24	0	1	0	0	4	0
Grant	112	49	0	0	1	1	61	0
Gray	87	73	0	0	0	0	14	0
Greeley	19	13	0	0	0	1	5	0
Greenwood	59	56	0	0	0	1	2	0
Hamilton	41	25	0	0	0	0	16	0
Harper	66	59	0	0	0	1	6	0
Harvey	463	369	3	2	5	11	73	0
Haskell	58	37	0	0	0	0	21	0
Hodgeman	28	26	0	0	0	0	2	0
Jackson	176	135	1	18	1	5	16	0
Jefferson	196	190	0	0	0	4	2	0
Jewell	31	31	0	0	0	0	0	0
Johnson	7,437	5,791	386	5	386	139	729	1
Kearny	55	35	0	0	1	0	19	0
Kingman	80	80	0	0	0	0	0	0
Kiowa	32	30	0	0	0	0	2	0
Labette	297	268	13	1	1	3	11	0
Lane	22	20	0	0	0	0	2	0
Leavenworth	966	773	74	1	16	29	72	1
Lincoln	33	33	0	0	0	0	0	0
Linn	97	96	0	1	0	0	0	0
Logan	30	30	0	0	0	0	0	0

Table 29
Live Births by Population Group
by County of Residence
Kansas, 2012

County of Residence	Total	Population Group							n.s.
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race		
Lyon	421	275	6	1	11	13	115	0	
McPherson	366	330	4	0	6	9	17	0	
Marion	112	100	2	0	1	3	6	0	
Marshall	124	120	1	0	0	2	1	0	
Meade	45	29	0	0	0	0	16	0	
Miami	364	342	3	1	0	2	16	0	
Mitchell	74	69	0	0	0	1	4	0	
Montgomery	502	394	32	14	5	10	47	0	
Morris	73	69	0	0	1	0	3	0	
Morton	52	37	0	0	0	0	15	0	
Nemaha	126	122	0	0	0	2	1	1	
Neosho	230	214	0	0	2	1	13	0	
Ness	41	33	0	0	0	0	8	0	
Norton	53	48	0	0	0	0	5	0	
Osage	157	152	0	0	0	1	4	0	
Osborne	37	35	0	0	0	1	1	0	
Ottawa	68	67	0	0	0	0	1	0	
Pawnee	68	60	2	0	0	2	4	0	
Phillips	74	68	0	1	2	0	3	0	
Pottawatomie	370	330	1	2	6	11	19	1	
Pratt	149	134	0	0	1	3	11	0	
Rawlins	33	29	0	0	0	0	4	0	
Reno	742	628	13	2	5	13	81	0	
Republic	48	47	0	0	0	0	1	0	
Rice	119	88	1	1	0	3	26	0	
Riley	1,177	866	83	2	63	38	124	1	
Rooks	62	60	0	0	1	0	1	0	
Rush	31	29	0	0	0	0	0	2	
Russell	85	77	2	1	0	1	4	0	
Saline	766	564	30	1	16	20	135	0	
Scott	62	42	0	0	0	0	19	1	
Sedgwick	7,889	5,090	837	38	347	168	1,408	1	
Seward	462	94	11	2	6	6	343	0	
Shawnee	2,431	1,678	230	23	38	96	361	5	
Sheridan	26	25	0	0	0	0	1	0	
Sherman	82	67	0	0	1	1	13	0	
Smith	40	36	1	0	0	1	2	0	
Stafford	40	35	0	0	0	1	4	0	
Stanton	29	15	0	0	0	0	14	0	
Stevens	89	48	0	1	0	0	40	0	
Sumner	279	258	2	1	2	1	15	0	
Thomas	118	109	0	0	1	0	8	0	
Trego	24	22	0	0	0	1	1	0	
Wabaunsee	107	99	0	0	1	0	6	1	
Wallace	20	19	0	0	0	0	1	0	
Washington	68	61	0	0	1	0	6	0	
Wichita	31	20	0	0	0	1	10	0	
Wilson	123	119	0	0	0	3	1	0	
Woodson	28	27	0	0	0	0	1	0	
Wyandotte	2,770	1,099	652	2	91	99	825	2	
n.s.	0	0	0	0	0	0	0	0	

*Includes selection of two or more races and other non-specified race

Table 30
Out-of-Wedlock Births by Age-Group and Population Group of Mother
by County of Residence
Kansas, 2012

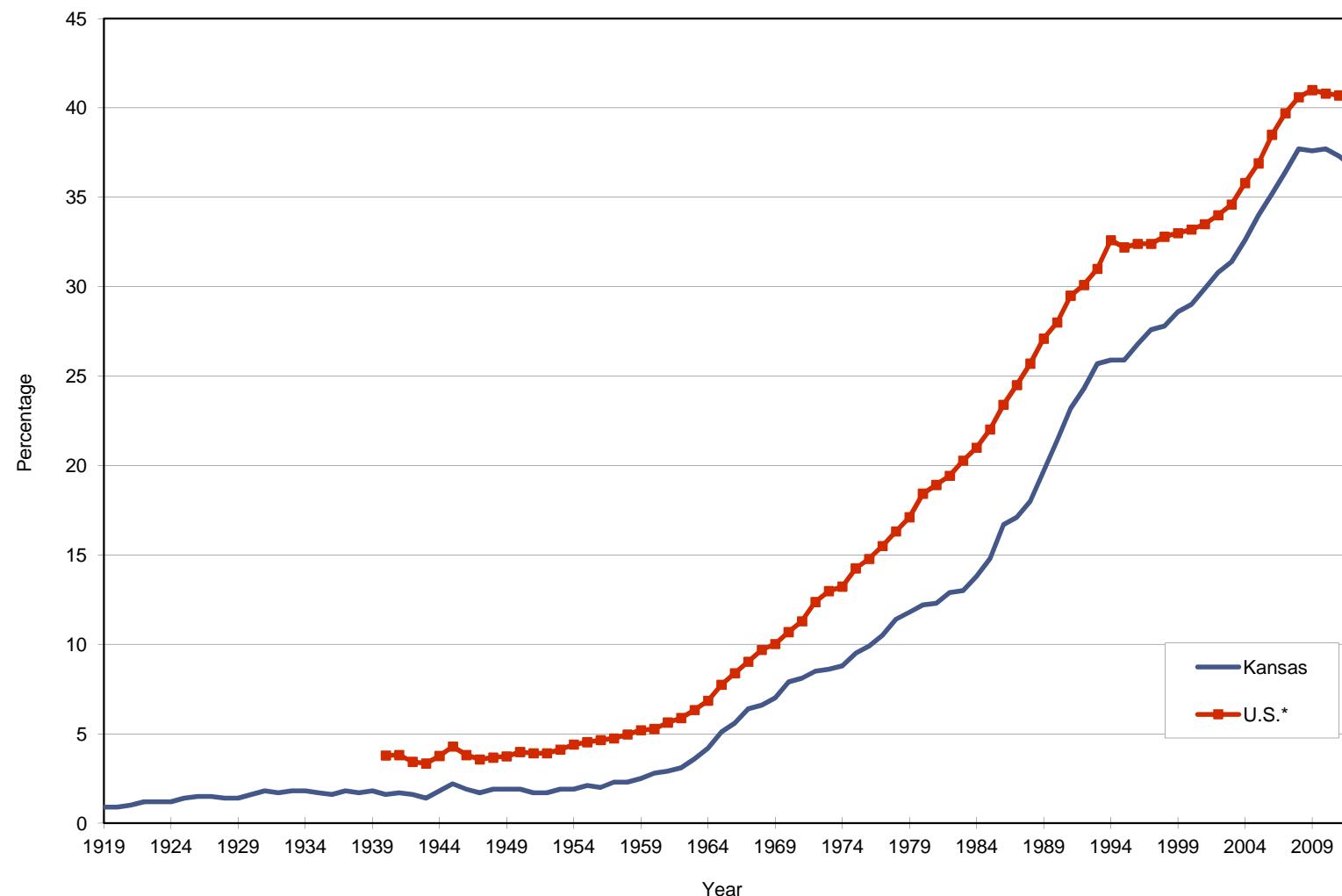
County of Residence	Total	Age-Group of Mother									Population Group						
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.	White Non-Hisp.	Black Non-Hisp.	Nat. Am. Non-Hisp.	Asian/PI Non-Hisp.	Other Non-Hisp.*	Hisp. Any Race	n.s.
Kansas	14,805	28	2,899	5,982	3,393	1,670	667	160	6	0	8,857	1,916	128	173	418	3,306	7
Allen	68	0	14	29	13	8	2	2	0	0	63	2	0	0	2	1	0
Anderson	30	0	3	12	12	2	1	0	0	0	29	0	1	0	0	0	0
Atchison	98	0	17	50	20	7	4	0	0	0	81	11	0	0	2	4	0
Barber	21	0	9	7	1	3	0	1	0	0	21	0	0	0	0	0	0
Barton	182	1	32	76	47	21	4	1	0	0	133	2	0	0	3	43	1
Bourbon	85	0	26	33	18	4	4	0	0	0	74	6	0	0	3	2	0
Brown	64	0	10	27	18	7	2	0	0	0	43	1	11	0	3	6	0
Butler	267	0	62	111	55	27	9	3	0	0	236	5	1	2	8	15	0
Chase	7	0	1	5	0	1	0	0	0	0	6	0	0	0	1	0	0
Chautauqua	18	0	3	10	3	1	0	1	0	0	15	0	1	0	1	1	0
Cherokee	94	0	23	42	17	8	3	1	0	0	84	1	2	1	2	4	0
Cheyenne	7	0	1	6	0	0	0	0	0	0	3	0	0	0	1	3	0
Clark	10	0	3	3	2	1	1	0	0	0	8	1	0	0	1	0	0
Clay	34	0	6	20	5	0	3	0	0	0	34	0	0	0	0	0	0
Cloud	52	0	9	27	12	3	1	0	0	0	44	0	1	1	2	4	0
Coffey	28	0	3	12	8	3	2	0	0	0	24	0	0	1	2	1	0
Comanche	7	0	0	2	2	3	0	0	0	0	7	0	0	0	0	0	0
Cowley	225	0	58	105	44	13	3	2	0	0	167	5	4	4	5	40	0
Crawford	205	1	33	95	43	21	10	2	0	0	178	5	0	3	5	14	0
Decatur	13	0	1	5	4	3	0	0	0	0	12	0	0	0	0	1	0
Dickinson	65	1	17	19	18	7	3	0	0	0	57	1	0	0	3	4	0
Doniphan	32	2	8	14	6	2	0	0	0	0	30	0	0	0	1	1	0
Douglas	390	0	63	138	89	66	29	5	0	0	259	26	20	7	21	57	0
Edwards	8	0	3	3	2	0	0	0	0	0	3	0	0	0	0	5	0
Elk	12	0	2	5	2	3	0	0	0	0	10	0	0	0	0	2	0
Ellis	138	1	19	67	37	9	5	0	0	0	115	1	0	0	2	20	0
Ellsworth	20	0	2	12	4	1	1	0	0	0	19	0	0	0	1	0	0
Finney	353	1	83	138	78	36	14	3	0	0	102	6	0	2	6	235	2
Ford	320	0	77	121	60	37	18	6	1	0	69	6	0	1	2	242	0
Franklin	139	0	27	67	28	14	3	0	0	0	133	0	0	0	1	5	0
Geary	170	0	24	80	39	17	10	0	0	0	65	52	1	5	11	36	0
Gove	5	0	1	2	0	1	1	0	0	0	5	0	0	0	0	0	0
Graham	9	0	3	3	2	1	0	0	0	0	8	0	0	0	0	1	0
Grant	39	0	12	18	4	3	2	0	0	0	7	0	0	0	0	32	0
Gray	27	0	6	12	5	3	1	0	0	0	16	0	0	0	0	11	0
Greeley	5	0	0	3	1	0	1	0	0	0	3	0	0	0	0	2	0
Greenwood	30	0	11	13	4	1	1	0	0	0	29	0	0	0	0	1	0
Hamilton	19	0	6	7	5	1	0	0	0	0	11	0	0	0	0	8	0
Harper	21	0	4	9	6	1	1	0	0	0	18	0	0	0	0	3	0
Harvey	159	0	43	55	43	11	5	2	0	0	108	2	2	0	7	40	0
Haskell	18	0	10	4	2	1	1	0	0	0	4	0	0	0	0	14	0
Hodgeman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	65	0	9	22	23	5	6	0	0	0	39	0	0	15	0	2	9
Jefferson	61	0	17	22	14	8	0	0	0	0	60	0	0	0	1	0	0
Jewell	5	0	4	1	0	0	0	0	0	0	5	0	0	0	0	0	0
Johnson	1,589	0	237	577	408	222	113	30	2	0	954	214	3	26	34	358	0
Kearny	20	0	5	6	5	2	2	0	0	0	7	0	0	0	0	13	0
Kingman	26	0	6	9	8	2	1	0	0	0	26	0	0	0	0	0	0
Kiowa	4	0	1	2	1	0	0	0	0	0	3	0	0	0	0	1	0
Labette	135	0	18	71	22	14	9	1	0	0	113	10	1	1	2	8	0
Lane	5	0	0	1	2	0	0	0	0	0	4	0	0	0	0	1	0
Leavenworth	327	0	76	132	70	30	13	5	1	0	236	49	0	2	16	23	1
Lincoln	9	0	3	3	1	2	0	0	0	0	9	0	0	0	0	0	0
Linn	33	0	9	10	10	3	1	0	0	0	32	0	1	0	0	0	0
Logan	14	0	2	7	2	1	0	2	0	0	14	0	0	0	0	0	0

Table 30
Out-of-Wedlock Births by Age-Group and Population Group of Mother
by County of Residence
Kansas, 2012

County of Residence	Total	Age-Group of Mother									Population Group						
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.	White Non-Hisp.	Black Non-Hisp.	Nat. Am. Non-Hisp.	Asian/PI Non-Hisp.	Other Non-Hisp.*	Hisp. Any Race	n.s.
Lyon	175	0	39	71	44	11	7	3	0	0	100	2	1	1	9	62	0
McPherson	120	1	28	51	24	12	4	0	0	0	103	1	0	0	5	11	0
Marion	31	0	6	13	8	3	1	0	0	0	21	1	0	0	3	6	0
Marshall	26	0	7	9	8	2	0	0	0	0	24	1	0	0	1	0	0
Meade	11	0	2	6	3	0	0	0	0	0	4	0	0	0	0	7	0
Miami	121	0	22	49	33	12	5	0	0	0	111	3	1	0	1	5	0
Mitchell	24	0	0	13	10	1	0	0	0	0	21	0	0	0	1	2	0
Montgomery	247	0	57	106	52	23	7	2	0	0	186	28	6	0	5	22	0
Morris	24	1	6	11	6	0	0	0	0	0	23	0	0	0	0	1	0
Morton	19	0	4	12	2	1	0	0	0	0	9	0	0	0	0	10	0
Nemaha	22	0	4	8	7	1	2	0	0	0	20	0	0	0	1	1	0
Neosho	100	0	26	44	18	10	2	0	0	0	90	0	0	2	1	7	0
Ness	11	0	2	6	2	0	1	0	0	0	7	0	0	0	0	4	0
Norton	18	0	2	11	4	0	1	0	0	0	17	0	0	0	0	1	0
Osage	49	0	13	18	10	4	4	0	0	0	45	0	0	0	1	3	0
Osborne	10	0	3	3	2	1	1	0	0	0	8	0	0	0	1	1	0
Ottawa	16	0	2	8	2	3	1	0	0	0	16	0	0	0	0	0	0
Pawnee	27	0	3	18	4	2	0	0	0	0	22	2	0	0	0	3	0
Phillips	24	0	4	13	6	0	1	0	0	0	21	0	1	1	0	1	0
Pottawatomie	56	0	9	22	17	4	3	1	0	0	51	0	0	0	2	3	0
Pratt	52	1	13	24	11	3	0	0	0	0	45	0	0	0	3	4	0
Rawlins	8	0	1	6	0	1	0	0	0	0	6	0	0	0	0	2	0
Reno	304	1	55	135	66	33	9	5	0	0	237	11	1	3	7	45	0
Republic	13	0	5	5	1	2	0	0	0	0	13	0	0	0	0	0	0
Rice	44	0	9	15	14	4	1	1	0	0	30	1	1	0	1	11	0
Riley	160	1	20	77	42	14	5	1	0	0	102	22	0	2	8	26	0
Rooks	23	0	4	10	6	3	0	0	0	0	22	0	0	0	0	1	0
Rush	6	0	2	2	2	0	0	0	0	0	6	0	0	0	0	0	0
Russell	29	0	6	14	7	2	0	0	0	0	25	1	1	0	1	1	0
Saline	366	0	66	147	89	45	17	2	0	0	259	24	1	6	10	66	0
Scott	25	0	6	10	6	3	0	0	0	0	17	0	0	0	0	8	0
Sedgwick	3,405	11	655	1,356	779	417	149	38	0	0	1,775	678	28	76	111	737	0
Seward	271	0	60	98	65	31	13	4	0	0	44	8	0	1	4	214	0
Shawnee	1,183	1	234	468	291	127	52	10	0	0	695	187	20	4	57	218	2
Sheridan	5	0	1	3	0	1	0	0	0	0	4	0	0	0	0	1	0
Sherman	36	0	11	13	8	4	0	0	0	0	28	0	0	0	0	8	0
Smith	12	0	2	5	3	0	2	0	0	0	10	1	0	0	1	0	0
Stafford	17	0	7	5	4	1	0	0	0	0	15	0	0	0	1	1	0
Stanton	10	0	3	3	2	0	1	1	0	0	3	0	0	0	0	7	0
Stevens	26	0	7	6	10	3	0	0	0	0	13	0	1	0	0	12	0
Sumner	139	0	33	64	23	16	3	0	0	0	125	1	1	0	1	11	0
Thomas	44	0	11	21	4	7	1	0	0	0	37	0	0	0	0	7	0
Trego	4	0	2	1	0	0	1	0	0	0	4	0	0	0	0	0	0
Wabaunsee	29	0	7	10	7	4	0	1	0	0	27	0	0	0	0	2	0
Wallace.	3	0	0	3	0	0	0	0	0	0	2	0	0	0	0	1	0
Washington	10	0	1	4	3	2	0	0	0	0	9	0	0	0	0	1	0
Wichita	12	0	2	4	5	1	0	0	0	0	7	0	0	0	1	4	0
Wilson	56	0	14	22	11	7	2	0	0	0	54	0	0	0	2	0	0
Woodson	9	0	3	4	1	1	0	0	0	0	9	0	0	0	0	0	0
Wyandotte	1,586	4	298	625	346	206	81	24	2	0	500	538	1	21	28	497	1
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Includes selection of two or more races and other non-specified race

Out-of-Wedlock Birth Percentage Comparison
Kansas and the U.S., 1919-2012



*1919-1939, 2012 not available, 2011 percent provisional

Percentage of all births to unmarried women

Figure 16

**Teen and Non-Teen Live Births:
Percent Distribution by Month Prenatal Care Began**
Kansas, 2012

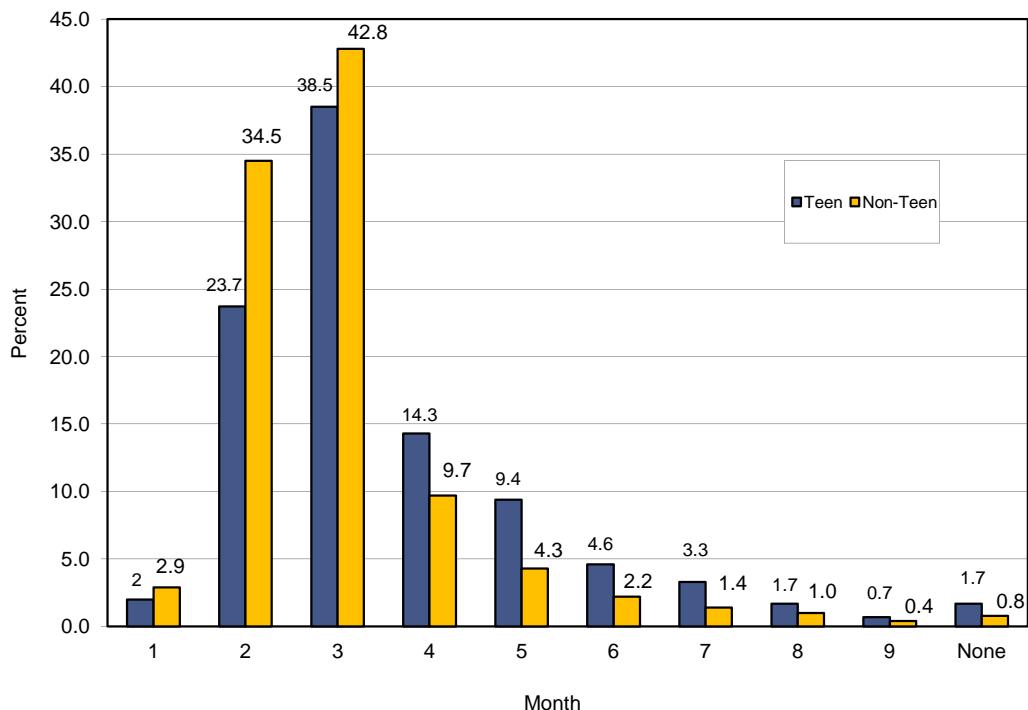


Figure 17

Teenage Live Births by Population Group
Kansas, 2012

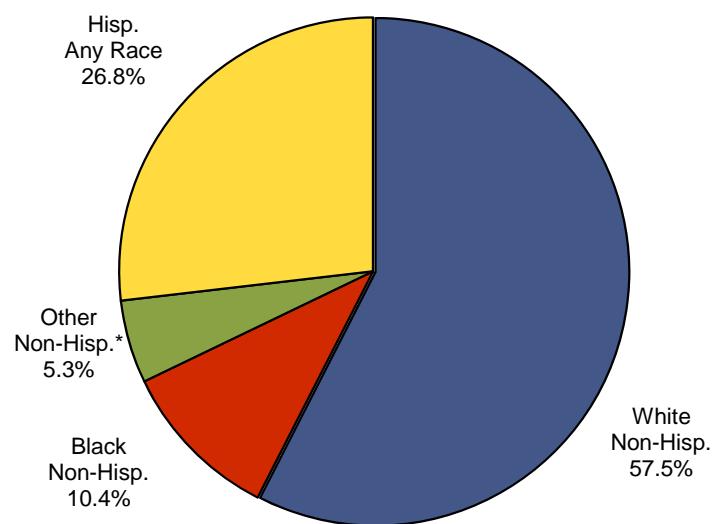
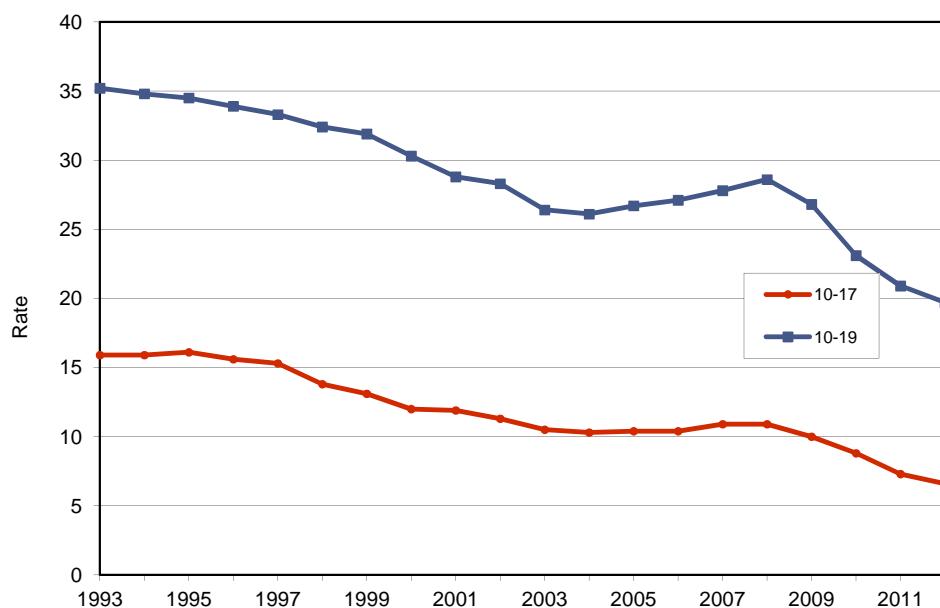


Figure 18

*Includes selection of two or more races
or other race

Teenage Pregnancy Rates*
by Age-Group,
Kansas 1993-2012



*Rate per 1,000 Female
Age-Group Population
Residence Data

Figure 19

Table 31
Teenage Pregnancy Numbers and Rates*
by Year by Selected Age-Groups
Kansas, 1993-2012

Year	Teen (10-19) Pregnancies	Age-Group				Teen (10-19) Pregnancy Rate	Pregnancy Rate			
		10-14	15-17	18-19	15-19		10-14	15-17	10-17	15-19
1993	6,405	133	2,219	4,053	6,272	35.2	1.4	42.4	15.9	73.3
1994	6,500	124	2,302	4,074	6,376	34.8	1.3	42.4	15.9	71.9
1995	6,552	153	2,332	4,067	6,399	34.5	1.6	41.3	16.1	69.5
1996	6,498	133	2,276	4,089	6,365	33.9	1.4	38.9	15.6	67.0
1997	6,469	123	2,260	4,086	6,346	33.3	1.3	37.4	15.3	64.7
1998	6,444	108	2,087	4,249	6,336	32.4	1.1	34.1	13.8	62.0
1999	6,402	103	1,979	4,320	6,299	31.9	1.1	32.4	13.1	60.7
2000	6,090	94	1,819	4,177	5,996	30.3	0.9	30.1	12.0	58.7
2001	5,818	79	1,819	3,920	5,739	28.8	0.8	30.2	11.9	56.0
2002	5,586	86	1,684	3,816	5,500	28.3	0.9	28.3	11.3	54.7
2003	5,174	73	1,559	3,542	5,101	26.4	0.8	26.6	10.5	51.3
2004	5,026	71	1,492	3,463	4,955	26.1	0.8	25.8	10.3	50.3
2005	5,044	69	1,483	3,492	4,975	26.7	0.8	25.7	10.4	50.8
2006	5,192	85	1,507	3,600	5,107	27.1	0.9	25.5	10.4	52.2
2007	5,268	70	1,573	3,625	5,198	27.8	0.8	26.8	10.9	53.2
2008	5,371	66	1,552	3,753	5,305	28.6	0.7	27.1	10.9	55.0
2009	5,036	56	1,417	3,563	4,980	26.8	0.6	25.2	10.0	51.6
2010	4,501	59	1,298	3,144	4,442	23.1	0.6	22.4	8.8	45.1
2011	4,095	70	1,063	2,962	4,025	20.9	0.7	18.4	7.3	40.8
2012	3,823	42	973	2,808	3,781	19.7	0.4	17.0	6.6	39.0

on; see Technical Notes for population treatment in 2000, 2001, and 2010.

s the sum of live births, reported abortions and stillbirths

Table 32
 Teenage Pregnancy Numbers and Rates*
 by Year for Selected Population Group[†]
 and Selected Age-Group
 Kansas, 2008-2012

Year	White Non-Hispanic								Black Non-Hispanic								Hispanic Any Race							
	10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2008	27	0.4	842	7.4	3,144	41.6	3,171	21.9	15	2.0	239	19.6	681	87.3	696	45.5	17	1.4	460	25.4	1,210	121.1	1,227	56.3
2009	19	0.3	776	6.9	2,927	39.1	2,946	20.6	15	2.0	175	14.3	627	80.9	642	41.9	21	1.7	437	23.3	1,160	108.5	1,181	51.5
2010	17	0.3	661	6.0	2,539	35.4	2,556	18.3	10	1.6	185	18.4	532	79.2	542	42.1	22	1.5	416	18.2	1,114	85.5	1,136	40.6
2011	27	0.4	563	5.0	2,283	31.2	2,310	16.2	18	2.3	131	10.4	451	56.3	469	29.5	19	1.2	363	15.3	1,044	77.3	1,063	36.5
2012	16	0.2	524	4.7	2,202	30.9	2,218	15.8	11	1.4	117	9.4	403	50.1	414	26.1	12	0.7	310	12.7	953	69.3	965	32.4

*Rate per 1,000 female race/Hispanic age-group population; 2010 uses actual Census populations, not annual estimates for July 1.

[†]This table includes mutually exclusive race/ethnicity groups and is not comparable to tables in Annual Summaries prior to 2006.

See Technical Notes.

Table 33
 Teenage Pregnancies by Age-Group and Component
 by County of Residence and by Peer Group†
 Kansas, 2012

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage§ Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Kansas	28	3,303	0	13	14	465	42	3,781	3,823	19.7
Allen	0	17	0	0	0	3	0	20	20	23.0
Anderson	0	3	0	0	0	1	0	4	4	7.8
Atchison	0	20	0	0	0	3	0	23	23	17.1
Barber	0	10	0	0	0	0	0	10	10	37.0
Barton	1	41	0	0	0	1	1	42	43	23.5
Bourbon	0	29	0	0	0	4	0	33	33	33.9
Brown	0	13	0	0	0	0	0	13	13	20.9
Butler	0	67	0	0	0	8	0	75	75	14.9
Chase	0	1	0	0	0	0	0	1	1	5.9
Chautauqua	0	3	0	1	0	0	0	4	4	19.4
Cherokee	0	30	0	0	1	1	1	31	32	22.3
Cheyenne	0	1	0	0	0	0	0	1	1	7.8
Clark	0	3	0	0	0	0	0	3	3	19.4
Clay	0	6	0	0	0	1	0	7	7	13.5
Cloud	0	10	0	0	0	0	0	10	10	15.6
Coffey	0	6	0	0	0	0	0	6	6	10.5
Comanche	0	0	0	0	0	0	0	0	0	0.0
Cowley	0	61	0	0	0	4	0	65	65	25.7
Crawford	1	37	0	0	0	7	1	44	45	16.8
Decatur	0	1	0	0	0	0	0	1	1	7.0
Dickinson	1	17	0	0	0	6	1	23	24	18.7
Doniphan	2	10	0	0	0	2	2	12	14	25.2
Douglas	0	67	0	1	2	26	2	94	96	11.9
Edwards	0	4	0	0	0	0	0	4	4	20.0
Elk	0	2	0	0	0	0	0	2	2	13.5
Ellis	1	22	0	0	0	4	1	26	27	15.3
Ellsworth	0	2	0	0	0	1	0	3	3	10.1
Finney	1	98	0	1	0	3	1	102	103	33.2
Ford	0	87	0	0	0	3	0	90	90	34.3
Franklin	0	30	0	0	0	6	0	36	36	20.9
Geary	0	72	0	0	0	15	0	87	87	39.3
Gove	0	1	0	0	0	0	0	1	1	5.8
Graham	0	3	0	0	0	0	0	3	3	21.9
Grant	0	15	0	0	0	0	1	0	16	25.7
Gray	0	6	0	0	0	0	1	0	7	14.6
Greeley	0	0	0	0	0	0	0	0	0	0.0
Greenwood	0	11	0	0	0	1	0	12	12	31.6
Hamilton	0	6	0	0	0	0	0	6	6	34.9
Harper	0	6	0	0	0	0	0	6	6	16.5
Harvey	0	50	0	0	0	2	0	52	52	21.1
Haskell	0	14	0	0	0	0	0	14	14	38.3
Hodgeman	0	0	0	0	0	0	0	0	0	0.0
Jackson	0	9	0	0	0	0	0	9	9	9.7
Jefferson	0	17	0	0	0	2	0	19	19	14.9
Jewell	0	5	0	0	0	0	0	5	5	31.6
Johnson	0	262	0	0	2	101	2	363	365	9.7
Kearny	0	5	0	0	0	0	0	5	5	16.6
Kingman	0	6	0	0	0	0	0	6	6	11.3
Kiowa	0	1	0	1	0	1	0	3	3	16.9
Labette	0	24	0	0	0	2	0	26	26	20.5
Lane	0	0	0	0	0	0	0	0	0	0.0
Leavenworth	0	85	0	1	1	9	1	95	96	19.5
Lincoln	0	3	0	0	0	0	0	3	3	15.2
Linn	0	11	0	0	0	3	0	14	14	23.8
Logan	0	2	0	0	0	0	0	2	2	12.8

Table 33
 Teenage Pregnancies by Age-Group and Component
 by County of Residence and by Peer Group†
 Kansas, 2012

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage§ Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Lyon	0	43	0	0	0	3	0	46	46	19.0
McPherson	1	28	0	0	0	2	1	30	31	15.8
Marion	0	8	0	0	0	0	0	8	8	9.8
Marshall	0	7	0	0	0	1	0	8	8	13.5
Meade	0	2	0	0	0	0	0	2	2	5.4
Miami	0	24	0	0	0	6	0	30	30	12.9
Mitchell	0	0	0	0	0	0	0	0	0	0.0
Montgomery	0	66	0	0	0	0	0	66	66	30.7
Morris	1	9	0	0	0	0	1	9	10	30.8
Morton	0	5	0	0	0	1	0	6	6	26.4
Nemaha	0	4	0	0	0	0	0	4	4	5.5
Neosho	0	33	0	0	0	3	0	36	36	31.6
Ness	0	3	0	0	0	0	0	3	3	16.2
Norton	0	2	0	0	0	0	0	2	2	7.0
Osage	0	15	0	0	0	3	0	18	18	16.3
Osborne	0	3	0	0	0	0	0	3	3	14.0
Ottawa	0	3	0	0	0	0	0	3	3	7.7
Pawnee	0	5	0	0	0	1	0	6	6	16.6
Phillips	0	6	0	0	0	1	0	7	7	18.0
Pottawatomie	0	13	0	0	0	1	0	14	14	8.7
Pratt	1	18	0	0	0	0	1	18	19	30.2
Rawlins	0	2	0	0	0	0	0	2	2	14.0
Reno	1	61	0	0	0	6	1	67	68	16.9
Republic	0	5	0	0	0	0	0	5	5	18.4
Rice	0	10	0	0	0	1	0	11	11	16.3
Riley	1	46	0	0	0	24	1	70	71	14.5
Rooks	0	4	0	1	0	0	0	5	5	15.2
Rush	0	2	0	0	0	1	0	3	3	17.4
Russell	0	7	0	0	0	2	0	9	9	23.4
Saline	0	72	0	0	1	5	1	77	78	22.2
Scott	0	7	0	0	0	0	0	7	7	21.7
Sedgwick	11	721	0	1	2	54	13	776	789	22.9
Seward	0	66	0	1	0	3	0	70	70	39.1
Shawnee	1	253	0	2	1	42	2	297	299	26.0
Sheridan	0	2	0	0	0	1	0	3	3	20.8
Sherman	0	13	0	0	0	0	0	13	13	35.9
Smith	0	2	0	0	0	0	0	2	2	9.2
Stafford	0	8	0	0	0	1	0	9	9	35.6
Stanton	0	4	0	0	0	0	0	4	4	26.3
Stevens	0	9	0	0	0	0	0	9	9	20.0
Sumner	0	35	0	0	1	3	1	38	39	23.7
Thomas	0	13	0	0	0	1	0	14	14	23.7
Trego	0	2	0	0	0	0	0	2	2	10.5
Wabaunsee	0	9	0	0	0	0	0	9	9	19.7
Wallace	0	0	0	0	0	0	0	0	0	0.0
Washington	0	1	0	0	0	0	0	1	1	2.8
Wichita	0	2	0	0	0	0	0	2	2	13.7
Wilson	0	15	0	0	0	1	0	16	16	27.8
Woodson	0	3	0	0	0	0	0	3	3	16.3
Wyandotte	4	320	0	3	2	58	6	381	387	35.6
n.s.	0	0	0	0	1	18	1	18	19	n/a
<hr/>										
Peer Group										
Frontier	0	116	0	3	0	6	0	125	125	18.0
Rural	3	260	0	0	0	17	3	277	280	16.8
Densely-Settled Rural	6	694	0	2	2	55	8	751	759	23.7
Semi-Urban	3	525	0	0	1	79	4	604	608	19.6
Urban	16	1,708	0	8	10	290	26	2,006	2,032	18.9

† See Technical Notes for Peer Group definition.

§ Rate per 1,000 female age-group population

Table 34
 Teenage Pregnancies for 10-17 Year Olds*
 by County of Residence and Peer Group[†] by Component
 Kansas, 2012

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate [‡]
Kansas	861	5	149	1,015	6.6
Allen	3	0	1	4	6.1
Anderson	2	0	1	3	6.9
Atchison	5	0	1	6	6.9
Barber	3	0	0	3	13.9
Barton	13	0	1	14	9.7
Bourbon	6	0	0	6	7.5
Brown	2	0	0	2	3.9
Butler	12	0	1	13	3.2
Chase	0	0	0	0	0.0
Chautauqua	0	0	0	0	0.0
Cherokee	6	0	2	8	6.7
Cheyenne	1	0	0	1	9.3
Clark	2	0	0	2	14.8
Clay	1	0	0	1	2.3
Cloud	2	0	0	2	4.3
Coffey	1	0	0	1	2.0
Comanche	0	0	0	0	0.0
Cowley	16	0	2	18	9.4
Crawford	6	0	2	8	4.3
Decatur	0	0	0	0	0.0
Dickinson	6	0	1	7	6.5
Doniphan	5	0	0	5	13.3
Douglas	10	1	3	14	3.1
Edwards	2	0	0	2	12.7
Elk	0	0	0	0	0.0
Ellis	8	0	0	8	6.9
Ellsworth	1	0	1	2	8.2
Finney	29	1	2	32	12.7
Ford	28	0	0	28	13.3
Franklin	10	0	3	13	9.6
Geary	4	0	4	8	4.4
Gove	0	0	0	0	0.0
Graham	1	0	0	1	8.5
Grant	4	0	0	4	7.5
Gray	2	0	1	3	7.4
Greeley	0	0	0	0	0.0
Greenwood	2	0	0	2	6.1
Hamilton	1	0	0	1	7.4
Harper	1	0	0	1	3.4
Harvey	12	0	0	12	6.2
Haskell	1	0	0	1	3.3
Hodgeman	0	0	0	0	0.0
Jackson	4	0	0	4	5.1
Jefferson	8	0	1	9	8.5
Jewell	1	0	0	1	7.8
Johnson	65	0	31	96	3.0
Keamy	1	0	0	1	3.9
Kingman	1	0	0	1	2.2
Kiowa	0	1	0	1	7.9
Labette	4	0	0	4	3.8
Lane	0	0	0	0	0.0
Leavenworth	28	0	4	32	7.7
Lincoln	1	0	0	1	6.0
Linn	3	0	1	4	7.8
Logan	0	0	0	0	0.0

Table 34
 Teenage Pregnancies for 10-17 Year Olds*
 by County of Residence and Peer Group[†] by Component
 Kansas, 2012

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate [‡]
Lyon	12	0	1	13	8.1
McPherson	4	0	0	4	2.5
Marion	0	0	0	0	0.0
Marshall	4	0	1	5	10.0
Meade	2	0	0	2	6.5
Miami	7	0	2	9	4.5
Mitchell	0	0	0	0	0.0
Montgomery	17	0	0	17	10.2
Morris	4	0	0	4	14.4
Morton	1	0	1	2	10.0
Nemaha	0	0	0	0	0.0
Neosho	7	0	0	7	7.7
Ness	1	0	0	1	6.9
Norton	1	0	0	1	4.2
Osage	2	0	1	3	3.2
Osborne	2	0	0	2	11.7
Ottawa	1	0	0	1	3.0
Pawnee	1	0	0	1	3.3
Phillips	1	0	1	2	6.3
Pottawatomie	1	0	0	1	0.7
Pratt	4	0	0	4	8.5
Rawlins	0	0	0	0	0.0
Reno	17	0	0	17	5.2
Republic	3	0	0	3	13.4
Rice	1	0	1	2	4.1
Riley	9	0	2	11	4.8
Rooks	1	0	0	1	3.6
Rush	0	0	0	0	0.0
Russell	0	0	0	0	0.0
Saline	13	0	2	15	5.2
Scott	1	0	0	1	3.5
Sedgwick	207	0	20	227	8.0
Seward	18	0	0	18	12.5
Shawnee	73	1	22	96	10.2
Sheridan	0	0	0	0	0.0
Sherman	2	0	0	2	6.6
Smith	0	0	0	0	0.0
Stafford	1	0	0	1	4.8
Stanton	1	0	0	1	8.1
Stevens	2	0	0	2	5.3
Sumner	7	0	3	10	7.2
Thomas	3	0	0	3	7.2
Trego	2	0	0	2	13.1
Wabaunsee	0	0	0	0	0.0
Wallace	0	0	0	0	0.0
Washington	0	0	0	0	0.0
Wichita	0	0	0	0	0.0
Wilson	3	0	0	3	6.3
Woodson	1	0	0	1	6.2
Wyandotte	100	1	23	124	13.9
n.s.	0	0	6	6	n/a
Peer Group					
Frontier	28	1	1	30	5.2
Rural	51	0	6	57	4.2
Densely -Settled Rural	192	1	17	210	8.4
Semi-Urban	107	0	16	123	5.3
Urban	483	3	103	589	6.8

* See Technical Notes for Peer Group definition. ‡ Rates per 1,000 female age-group population

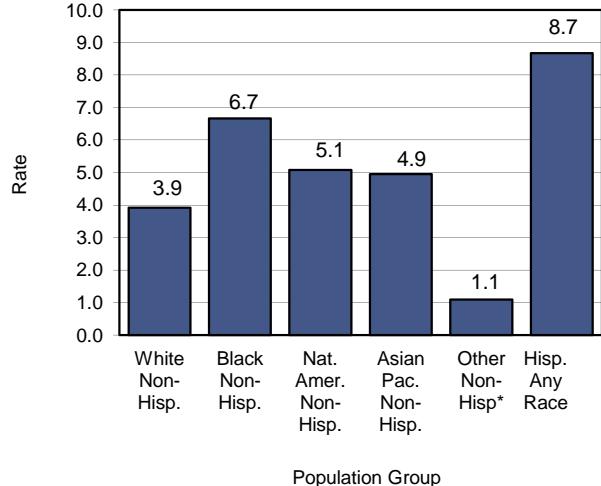
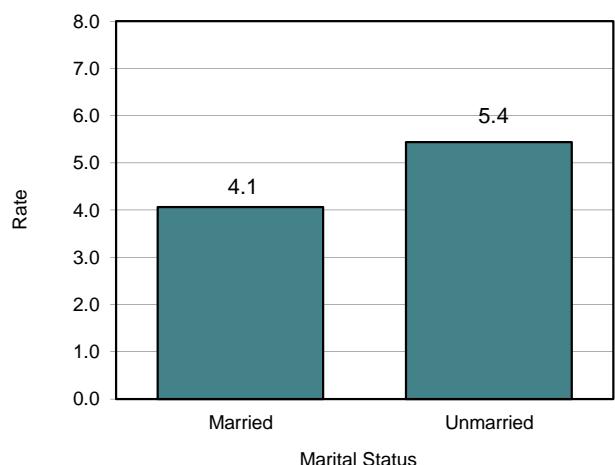
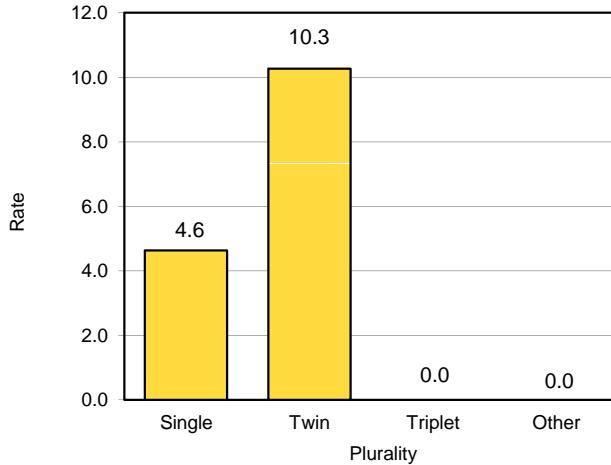
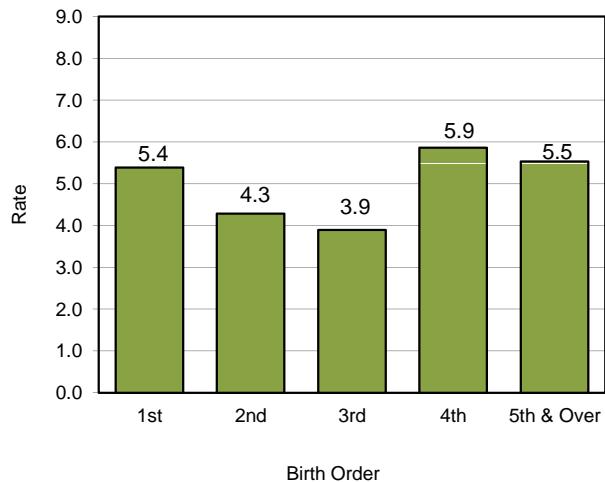
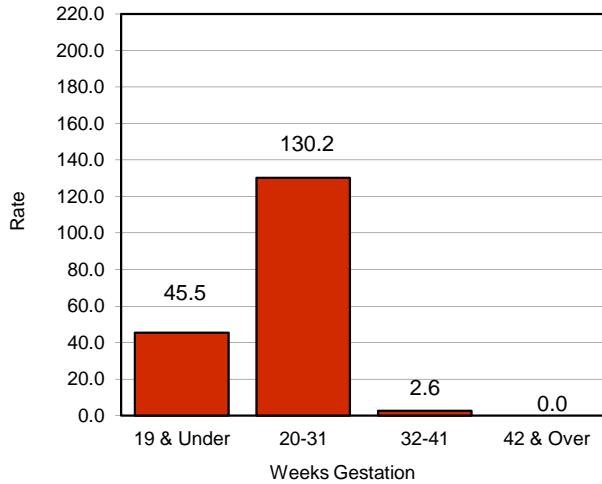
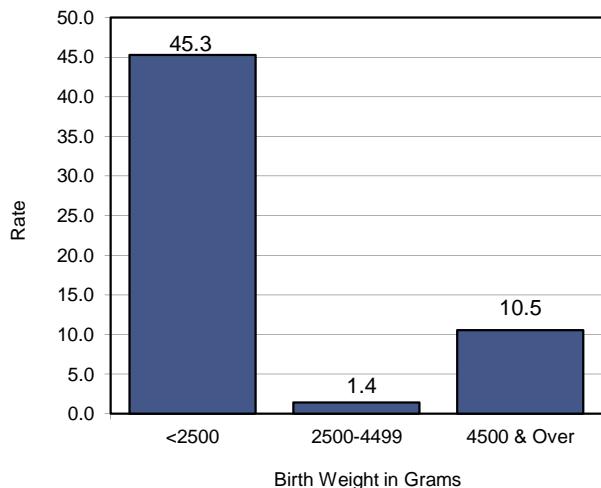
Table 35
 Stillbirths by Age-Group of Mother
 by County of Residence
 Kansas, 2012

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.
Kansas	195	0	13	55	58	43	19	7	0	0
Allen	2	0	0	2	0	0	0	0	0	0
Anderson	0	0	0	0	0	0	0	0	0	0
Atchison	1	0	0	0	0	1	0	0	0	0
Barber	0	0	0	0	0	0	0	0	0	0
Barton	1	0	0	0	0	1	0	0	0	0
Bourbon	0	0	0	0	0	0	0	0	0	0
Brown	1	0	0	1	0	0	0	0	0	0
Butler	2	0	0	1	1	0	0	0	0	0
Chase	0	0	0	0	0	0	0	0	0	0
Chautauqua	1	0	1	0	0	0	0	0	0	0
Cherokee	3	0	0	1	1	1	0	0	0	0
Cheyenne	0	0	0	0	0	0	0	0	0	0
Clark	0	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	0	0	0	0	0	0
Cloud	0	0	0	0	0	0	0	0	0	0
Coffey	0	0	0	0	0	0	0	0	0	0
Comanche	1	0	0	0	1	0	0	0	0	0
Cowley	6	0	0	2	0	3	1	0	0	0
Crawford	4	0	0	0	1	2	1	0	0	0
Decatur	1	0	0	1	0	0	0	0	0	0
Dickinson	1	0	0	1	0	0	0	0	0	0
Doniphan	0	0	0	0	0	0	0	0	0	0
Douglas	8	0	1	0	6	1	0	0	0	0
Edwards	0	0	0	0	0	0	0	0	0	0
Elk	0	0	0	0	0	0	0	0	0	0
Ellis	3	0	0	1	1	0	1	0	0	0
Ellsworth	0	0	0	0	0	0	0	0	0	0
Finney	5	0	1	1	1	2	0	0	0	0
Ford	3	0	0	0	1	1	1	0	0	0
Franklin	2	0	0	0	1	1	0	0	0	0
Geary	3	0	0	1	2	0	0	0	0	0
Gove	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0
Gray	1	0	0	0	1	0	0	0	0	0
Greeley	0	0	0	0	0	0	0	0	0	0
Greenwood	1	0	0	0	1	0	0	0	0	0
Hamilton	0	0	0	0	0	0	0	0	0	0
Harper	0	0	0	0	0	0	0	0	0	0
Harvey	4	0	0	1	1	1	1	0	0	0
Haskell	0	0	0	0	0	0	0	0	0	0
Hodgeman	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	0	0
Jewell	0	0	0	0	0	0	0	0	0	0
Johnson	26	0	0	8	9	4	2	3	0	0
Kearny	0	0	0	0	0	0	0	0	0	0
Kingman	1	0	0	0	0	1	0	0	0	0
Kiowa	1	0	1	0	0	0	0	0	0	0
Labette	1	0	0	0	1	0	0	0	0	0
Lane	0	0	0	0	0	0	0	0	0	0
Leavenworth	6	0	1	0	3	1	0	1	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Linn	0	0	0	0	0	0	0	0	0	0
Logan	0	0	0	0	0	0	0	0	0	0

Table 35
 Stillbirths by Age-Group of Mother
 by County of Residence
 Kansas, 2012

County of Residence	Total	Age-Group of Mother									n.s.
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over		
Lyon	0	0	0	0	0	0	0	0	0	0	0
McPherson	0	0	0	0	0	0	0	0	0	0	0
Marion	0	0	0	0	0	0	0	0	0	0	0
Marshall	0	0	0	0	0	0	0	0	0	0	0
Meade	1	0	0	1	0	0	0	0	0	0	0
Miami	0	0	0	0	0	0	0	0	0	0	0
Mitchell	2	0	0	0	1	1	0	0	0	0	0
Montgomery	3	0	0	3	0	0	0	0	0	0	0
Morris	0	0	0	0	0	0	0	0	0	0	0
Morton	0	0	0	0	0	0	0	0	0	0	0
Nemaha	0	0	0	0	0	0	0	0	0	0	0
Neosho	3	0	0	3	0	0	0	0	0	0	0
Ness	0	0	0	0	0	0	0	0	0	0	0
Norton	0	0	0	0	0	0	0	0	0	0	0
Osage	1	0	0	0	0	1	0	0	0	0	0
Osborne	0	0	0	0	0	0	0	0	0	0	0
Ottawa	0	0	0	0	0	0	0	0	0	0	0
Pawnee	0	0	0	0	0	0	0	0	0	0	0
Phillips	0	0	0	0	0	0	0	0	0	0	0
Pottawatomie	1	0	0	0	0	1	0	0	0	0	0
Pratt	0	0	0	0	0	0	0	0	0	0	0
Rawlins	0	0	0	0	0	0	0	0	0	0	0
Reno	0	0	0	0	0	0	0	0	0	0	0
Republic	0	0	0	0	0	0	0	0	0	0	0
Rice	0	0	0	0	0	0	0	0	0	0	0
Riley	2	0	0	2	0	0	0	0	0	0	0
Rooks	2	0	1	0	0	0	1	0	0	0	0
Rush	0	0	0	0	0	0	0	0	0	0	0
Russell	1	0	0	0	0	1	0	0	0	0	0
Saline	2	0	0	1	1	0	0	0	0	0	0
Scott	1	0	0	1	0	0	0	0	0	0	0
Sedgwick	40	0	1	12	7	11	8	1	0	0	0
Seward	4	0	1	2	1	0	0	0	0	0	0
Shawnee	17	0	2	4	9	2	0	0	0	0	0
Sheridan	0	0	0	0	0	0	0	0	0	0	0
Sherman	0	0	0	0	0	0	0	0	0	0	0
Smith	0	0	0	0	0	0	0	0	0	0	0
Stafford	1	0	0	0	0	0	1	0	0	0	0
Stanton	0	0	0	0	0	0	0	0	0	0	0
Stevens	0	0	0	0	0	0	0	0	0	0	0
Sumner	2	0	0	0	1	0	0	1	0	0	0
Thomas	1	0	0	0	0	1	0	0	0	0	0
Trego	0	0	0	0	0	0	0	0	0	0	0
Wabaunsee	0	0	0	0	0	0	0	0	0	0	0
Wallace	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	0
Wichita	0	0	0	0	0	0	0	0	0	0	0
Wilson	1	0	0	0	0	1	0	0	0	0	0
Woodson	0	0	0	0	0	0	0	0	0	0	0
Wyandotte	21	0	3	5	6	4	2	1	0	0	0
n.s.	0	0	0	0	0	0	0	0	0	0	0

**Stillbirth Rates
By Selected Characteristics**
Kansas, 2012

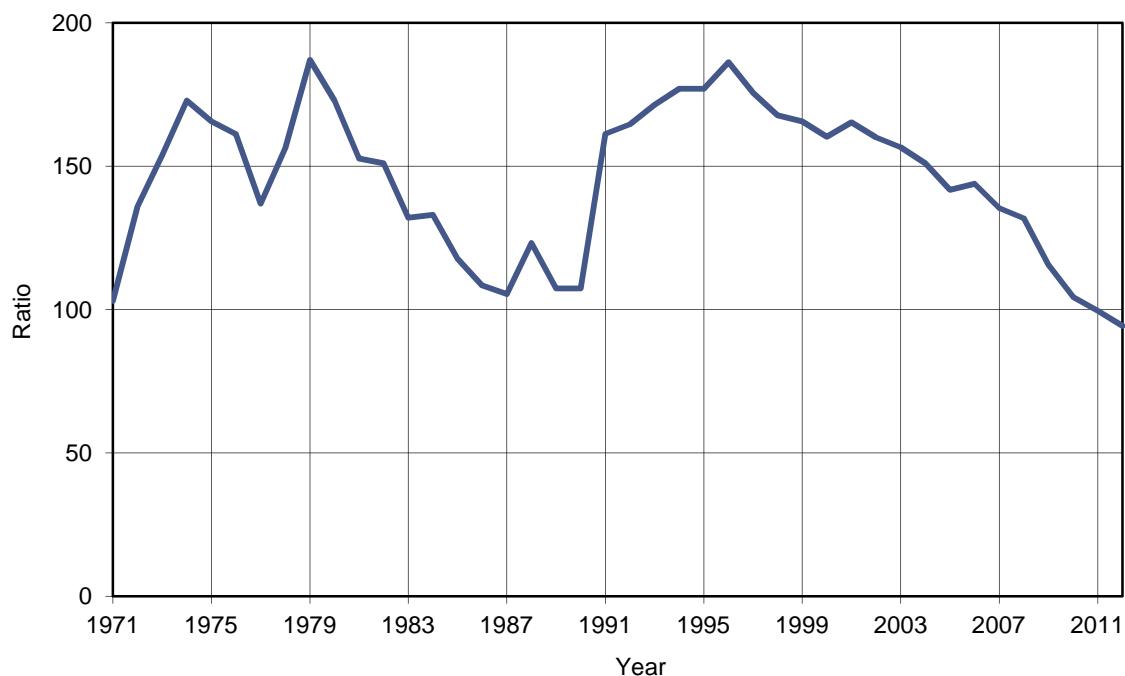


Rates per 1,000 Live Births + Stillbirths

*Includes selection of two or more races and other non-specified race

Figure 20

Live Birth Abortion Ratios by Year Kansas, 1971-2012



*Data not available for 2009-2011

Ratio per 1,000 Live Births

Figure 21

Live Birth Abortion Ratios by Age-Group of Patient Kansas, 1993 and 2012

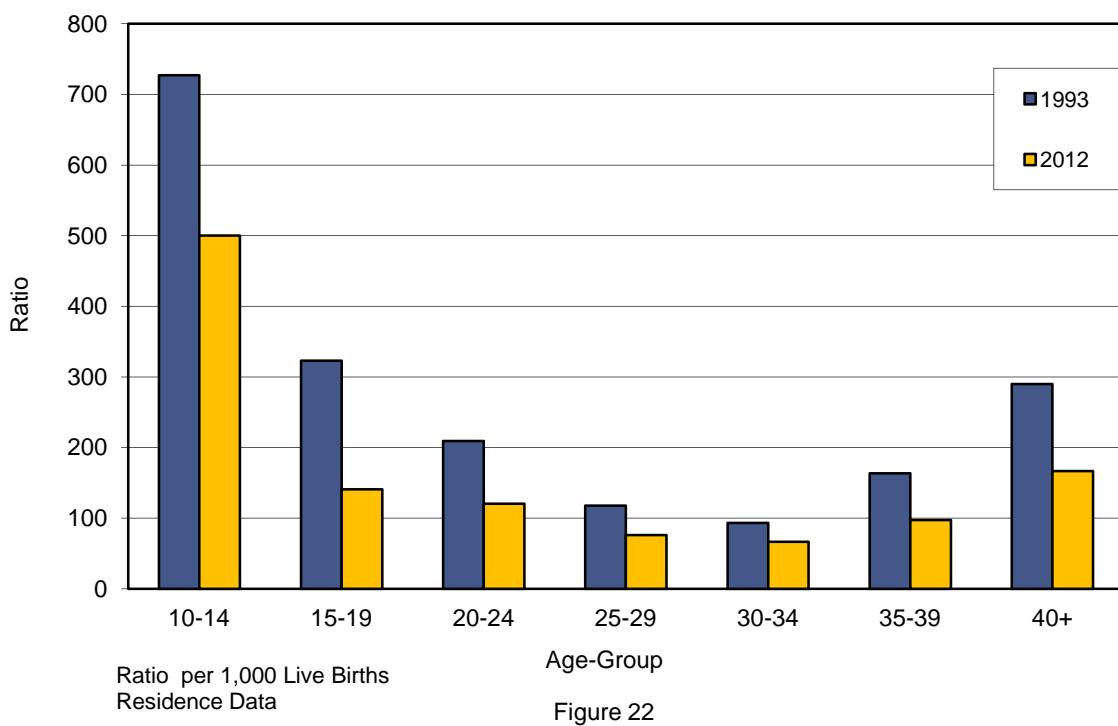


Figure 22

Table 36
Total Reported Abortions and Live Birth Abortion Ratios*
Kansas, 1971-2012

Year	Total	Out of State Residents	Kansas		n.s.
			Residents	Ratio	
1971	9,472	5,763	3,709	103.0	0
1972	12,248	7,736	4,512	136.0	0
1973	12,612	7,695	4,917	153.8	0
1974	10,171	4,503	5,657	172.9	11
1975	9,160	3,565	5,581	165.6	14
1976	9,154	3,455	5,686	161.2	13
1977	7,965	2,918	5,045	137.0	2
1978	9,740	3,957	5,722	156.4	61
1979	12,335	5,042	7,281	187.1	12
1980	11,791	4,750	7,038	173.0	3
1981	10,448	4,150	6,291	152.7	7
1982	9,976	3,823	6,153	151.0	0
1983	8,547	3,218	5,329	132.0	0
1984	8,008	2,689	5,319	133.1	0
1985	7,092	2,447	4,645	117.8	0
1986	6,561	2,316	4,245	108.4	0
1987	6,409	2,357	4,052	105.4	0
1988	7,930	3,161	4,769	123.2	0
1989	8,984	3,270	4,149	107.4	1,565
1990	9,459	3,341	4,175	107.4	1,943
1991	10,141	4,071	6,070	161.3	0
1992	11,135	4,904	6,231	164.6	0
1993	11,247	4,853	6,394	171.5	0
1994	10,847	4,245	6,596	177.0	6
1995	11,149	4,562	6,566	177.0	21
1996	11,181	4,367	6,806	186.3	8
1997	11,507	4,973	6,532	175.6	2
1998	11,624	5,184	6,440	167.8	0
1999	12,445	6,029	6,416	165.6	0
2000	12,327	5,971	6,356	160.3	0
2001	12,422	6,003	6,419	165.3	0
2002	11,844	5,546	6,298	160.1	0
2003	11,697	5,534	6,163	156.6	0
2004	11,446	5,475	5,971	151.0	0
2005	10,543	4,914	5,629	141.8	0
2006	11,271	5,385	5,886	143.9	0
2007	10,841	5,162	5,679	135.4	0
2008	10,643	5,131	5,512	131.8	0
2009	9,474	4,693	4,780	115.5	1
2010	8,373	4,150	4,223	104.4	0
2011	7,885	3,989	3,946	99.6	0
2012	7,598	3,796	3,802	94.3	0

* Includes in state occurrences to Kansas residents and out of state residents, plus Kansas resident out of state. Ratio per 1,000 live births.

† The increase in the 1989-1992 figures may not reflect an increase in the number of abortions being performed but rather an increase in the number of providers voluntarily reporting data.

‡ Residency data was not available for all abortions in 1989-1990. However, due to improved reporting, residency was obtained for most of the abortions reported in subsequent years. This improved reporting is also responsible for the increase in the resident abortion ratio between 1990 and 1991.

§ As of July 1, 1995, reporting became mandatory for every medical care facility and every person licensed to practice medicine and surgery.

¶ Numbers from 1999 on are larger than the ones reported in the preliminary reports due to induced termination of pregnancy reports received from other states after the Kansas reporting deadlines.

Reported Abortions
By Selected Characteristics,
Kansas, 2012

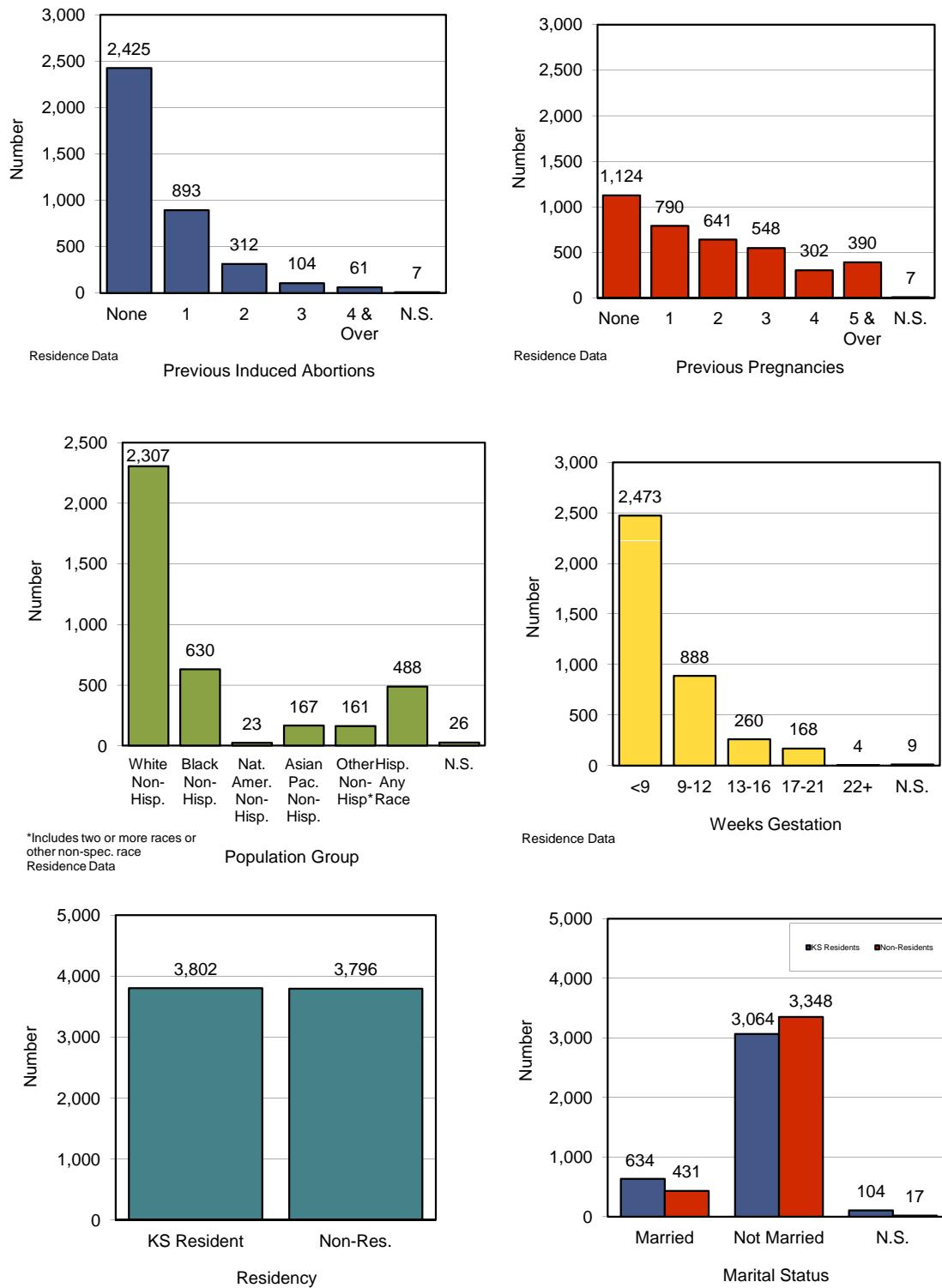


Figure 23

Table 37
Abortions by Age-Group of Patient
by County of Residence,
Kansas, 2012

County of Residence	Total	Age-Group									
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.	
Kansas	3,802	14	465	1,231	965	631	364	120	12	0	
Allen	6	0	3	1	1	1	0	0	0	0	
Anderson	5	0	1	2	0	1	1	0	0	0	
Atchison	14	0	3	6	3	2	0	0	0	0	
Barber	1	0	0	0	1	0	0	0	0	0	
Barton	14	0	1	2	7	3	1	0	0	0	
Bourbon	8	0	4	2	1	0	0	1	0	0	
Brown	7	0	0	3	1	2	1	0	0	0	
Butler	52	0	8	20	6	10	5	1	2	0	
Chase	1	0	0	0	1	0	0	0	0	0	
Chautauqua	1	0	0	1	0	0	0	0	0	0	
Cherokee	14	1	1	4	5	2	1	0	0	0	
Cheyenne	1	0	0	1	0	0	0	0	0	0	
Clark	2	0	0	1	1	0	0	0	0	0	
Clay	5	0	1	1	0	2	0	1	0	0	
Cloud	4	0	0	1	2	0	1	0	0	0	
Coffey	2	0	0	1	1	0	0	0	0	0	
Comanche	0	0	0	0	0	0	0	0	0	0	
Cowley	18	0	4	5	3	3	3	0	0	0	
Crawford	38	0	7	10	11	4	6	0	0	0	
Decatur	0	0	0	0	0	0	0	0	0	0	
Dickinson	23	0	6	6	7	2	2	0	0	0	
Doniphan	6	0	2	3	0	1	0	0	0	0	
Douglas	222	2	26	99	37	30	16	11	1	0	
Edwards	1	0	0	0	0	1	0	0	0	0	
Elk	0	0	0	0	0	0	0	0	0	0	
Ellis	30	0	4	16	5	3	2	0	0	0	
Ellsworth	3	0	1	1	1	0	0	0	0	0	
Finney	31	0	3	8	9	7	4	0	0	0	
Ford	24	0	3	11	6	2	1	1	0	0	
Franklin	23	0	6	10	1	4	1	1	0	0	
Geary	112	0	15	39	37	14	5	1	1	0	
Gove	0	0	0	0	0	0	0	0	0	0	
Graham	0	0	0	0	0	0	0	0	0	0	
Grant	2	0	1	0	1	0	0	0	0	0	
Gray	5	0	1	1	2	0	0	1	0	0	
Greeley	0	0	0	0	0	0	0	0	0	0	
Greenwood	6	0	1	3	1	1	0	0	0	0	
Hamilton	1	0	0	0	0	1	0	0	0	0	
Harper	1	0	0	1	0	0	0	0	0	0	
Harvey	13	0	2	2	6	2	1	0	0	0	
Haskell	0	0	0	0	0	0	0	0	0	0	
Hodgeman	1	0	0	0	0	0	1	0	0	0	
Jackson	15	0	0	4	4	5	2	0	0	0	
Jefferson	18	0	2	2	7	5	2	0	0	0	
Jewell	0	0	0	0	0	0	0	0	0	0	
Johnson	1,032	2	101	289	266	183	141	46	4	0	
Kearny	0	0	0	0	0	0	0	0	0	0	
Kingman	0	0	0	0	0	0	0	0	0	0	
Kiowa	1	0	1	0	0	0	0	0	0	0	
Labette	6	0	2	2	1	1	0	0	0	0	
Lane	4	0	0	2	0	1	0	0	1	0	
Leavenworth	99	1	9	27	25	15	14	8	0	0	
Lincoln	0	0	0	0	0	0	0	0	0	0	
Linn	10	0	3	1	0	3	2	1	0	0	
Logan	1	0	0	1	0	0	0	0	0	0	

Table 37
Abortions by Age-Group of Patient
by County of Residence,
Kansas, 2012

County of Residence	Total	Age-Group								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.
Lyon	36	0	3	15	8	10	0	0	0	0
Mcpherson	15	0	2	6	1	3	3	0	0	0
Marion	3	0	0	1	0	1	1	0	0	0
Marshall	3	0	1	2	0	0	0	0	0	0
Meade	1	0	0	0	1	0	0	0	0	0
Miami	37	0	6	13	8	7	2	0	1	0
Mitchell	2	0	0	0	0	1	1	0	0	0
Montgomery	10	0	0	4	3	2	1	0	0	0
Morris	3	0	0	0	2	1	0	0	0	0
Morton	1	0	1	0	0	0	0	0	0	0
Nemaha	0	0	0	0	0	0	0	0	0	0
Neosho	9	0	3	4	2	0	0	0	0	0
Ness	1	0	0	0	0	0	1	0	0	0
Norton	0	0	0	0	0	0	0	0	0	0
Osage	13	0	3	4	3	0	3	0	0	0
Osborne	4	0	0	4	0	0	0	0	0	0
Ottawa	0	0	0	0	0	0	0	0	0	0
Pawnee	4	0	1	1	0	1	1	0	0	0
Phillips	2	0	1	1	0	0	0	0	0	0
Pottawatomie	14	0	1	4	3	3	1	2	0	0
Pratt	2	0	0	1	1	0	0	0	0	0
Rawlins	1	0	0	0	0	1	0	0	0	0
Reno	40	0	6	11	13	8	0	2	0	0
Republic	0	0	0	0	0	0	0	0	0	0
Rice	9	0	1	4	3	0	0	1	0	0
Riley	148	0	24	75	34	11	3	1	0	0
Rooks	0	0	0	0	0	0	0	0	0	0
Rush	3	0	1	0	1	1	0	0	0	0
Russell	3	0	2	1	0	0	0	0	0	0
Saline	60	1	5	23	19	7	2	3	0	0
Scott	0	0	0	0	0	0	0	0	0	0
Sedgwick	571	2	54	195	152	93	63	11	1	0
Seward	5	0	3	2	0	0	0	0	0	0
Shawnee	285	1	42	93	76	44	17	11	1	0
Sheridan	2	0	1	0	1	0	0	0	0	0
Sherman	1	0	0	0	1	0	0	0	0	0
Smith	0	0	0	0	0	0	0	0	0	0
Stafford	2	0	1	0	1	0	0	0	0	0
Stanton	0	0	0	0	0	0	0	0	0	0
Stevens	2	0	0	0	0	0	2	0	0	0
Sumner	7	1	3	3	0	0	0	0	0	0
Thomas	3	0	1	0	2	0	0	0	0	0
Trego	1	0	0	0	0	1	0	0	0	0
Wabaunsee	2	0	0	0	1	1	0	0	0	0
Wallace	0	0	0	0	0	0	0	0	0	0
Washington	1	0	0	1	0	0	0	0	0	0
Wichita	0	0	0	0	0	0	0	0	0	0
Wilson	2	0	1	0	0	1	0	0	0	0
Woodson	1	0	0	0	1	0	0	0	0	0
Wyandotte	478	2	58	133	128	105	42	10	0	0
n.s.*	132	1	18	41	40	18	8	6	0	0

*County information not collected by other states.

Table 38
Total Reported Abortions by Age-Group of Patient
by Selected Characteristics
Kansas, 2012

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.
Total Reported	7,598	26	948	2,506	1,952	1,211	714	222	19	0
Residency										
Kansans in State	3,655	13	443	1,187	920	613	351	116	12	0
Kansans out-of-state	147	1	22	44	45	18	13	4	0	0
Non-residents in KS	3,796	12	483	1,275	987	580	350	102	7	0
n.s.	0	0	0	0	0	0	0	0	0	0
Population Group										
White Non-Hispanic	4,459	12	548	1,487	1,121	698	437	146	10	0
Black Non-Hispanic	1,725	7	190	577	485	302	128	34	2	0
Native American Non-Hispanic	44	1	4	15	12	8	3	1	0	0
Asian/Pacific Non-Hispanic	261	0	17	71	65	52	36	15	5	0
Other Non-Hispanic [†]	301	2	61	114	64	42	16	2	0	0
Hispanic Any Race	772	3	120	230	197	106	91	23	2	0
n.s.	36	1	8	12	8	3	3	1	0	0
Marital Status of Patient										
Married	1,065	1	25	181	260	284	230	77	7	0
Not Married	6,412	24	908	2,288	1,664	904	470	142	12	0
n.s.	121	1	15	37	28	23	14	3	0	0
Weeks Gestation										
Under 9	4,960	15	525	1,640	1,307	813	487	160	13	0
9-12	1,783	6	286	592	447	258	151	38	5	0
13-16	512	2	83	163	116	88	44	15	1	0
17-21	330	3	52	109	77	51	29	9	0	0
22 & Over	4	0	0	2	2	0	0	0	0	0
n.s.	9	0	2	0	3	1	3	0	0	0
Procedure										
Suction Curettage	4,559	14	550	1,452	1,187	749	466	129	12	0
Sharp Curettage	21	0	1	6	6	4	3	1	0	0
Dilation & Evac	664	4	118	211	152	105	54	19	1	0
Med Proc. 1 [‡]	2,287	7	269	819	588	342	186	70	6	0
Med Proc. 2 [§]	1	0	0	0	0	0	1	0	0	0
Intra-Uterine Pros. Instillation	1	0	0	1	0	0	0	0	0	0
Hysterotomy	1	0	1	0	0	0	0	0	0	0
Hysterectomy	0	0	0	0	0	0	0	0	0	0
Digoxin/Induction	0	0	0	0	0	0	0	0	0	0
"Partial Birth" Procedure	0	0	0	0	0	0	0	0	0	0
Other [¶]	64	1	9	17	19	11	4	3	0	0
n.s.	0	0	0	0	0	0	0	0	0	0
Previous Pregnancies										
None	2,240	23	728	961	359	113	40	16	0	0
1	1,562	3	160	722	398	180	65	31	3	0
2	1,288	0	47	424	385	233	147	48	4	0
3	1,042	0	10	234	343	238	172	40	5	0
4	628	0	1	98	211	168	102	44	4	0
5 & Over	831	0	0	67	253	279	186	43	3	0
n.s.	7	0	2	0	3	0	2	0	0	0

Table 38
Total Reported Abortions by Age-Group of Patient
by Selected Characteristics
Kansas, 2012

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.
Previous Induced Abortions										
None	4,684	24	853	1,735	1,016	584	340	119	13	0
1	1,786	2	84	564	549	342	188	53	4	0
2	704	0	7	147	244	166	102	36	2	0
3	264	0	2	49	83	69	52	9	0	0
4	84	0	0	6	30	28	18	2	0	0
5 & Over	69	0	0	5	27	22	12	3	0	0
n.s.	7	0	2	0	3	0	2	0	0	0
Number of Living Children										
None	3,136	25	808	1,343	629	211	85	35	0	0
1	1,881	1	120	732	523	304	149	48	4	0
2	1,496	0	17	326	475	362	232	74	10	0
3	663	0	1	86	219	191	130	33	3	0
4	270	0	0	17	76	86	68	21	2	0
5 & Over	145	0	0	2	27	57	48	11	0	0
n.s.	7	0	2	0	3	0	2	0	0	0
Children Born Alive Now Dead										
None	7,533	26	945	2,490	1,937	1,194	704	218	19	0
1	50	0	1	15	12	15	5	2	0	0
2	5	0	0	1	0	1	1	2	0	0
3	2	0	0	0	0	0	2	0	0	0
4	1	0	0	0	0	1	0	0	0	0
5 & Over	0	0	0	0	0	0	0	0	0	0
n.s.	7	0	2	0	3	0	2	0	0	0
Spontaneous Terminations										
None	6,614	26	921	2,310	1,667	967	543	167	13	0
1	754	0	24	165	217	177	130	39	2	0
2	152	0	1	21	42	45	28	11	4	0
3	40	0	0	4	11	12	9	4	0	0
4	14	0	0	2	5	6	0	1	0	0
5 & Over	17	0	0	4	7	4	2	0	0	0
n.s.	7	0	2	0	3	0	2	0	0	0

* Totals are larger than reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. Not stated (n.s.) represent patients who refused to provide information or information not collected by other states.

† Includes selection of two or more races or other non-specified race

‡ Refers to drug mifepristone

§ Refers to drug methotrexate

¶ Other procedures mostly Suction Aspiration (41 cases) and Unknown (19 cases).

Table 39
Abortions by Age-Group of Patient
by Selected Characteristics
Kansas Residents, 2012

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.
Total Reported	3,802	14	465	1,231	965	631	364	120	12	0
Population Group										
White Non-Hispanic	2,307	6	292	773	570	362	222	74	8	0
Black Non-Hispanic	630	4	61	207	172	126	44	16	0	0
Native American Non-Hispanic	23	0	2	11	5	3	2	0	0	0
Asian/Pacific Non-Hispanic	167	0	7	39	42	39	25	11	4	0
Other Non-Hispanic [†]	161	1	32	59	33	24	11	1	0	0
Hispanic Any Race	488	2	65	134	137	75	58	17	0	0
n.s.	26	1	6	8	6	2	2	1	0	0
Marital Status of Patient										
Married	634	1	14	112	165	171	121	45	5	0
Not Married	3,064	12	436	1,087	775	439	236	72	7	0
n.s.	104	1	15	32	25	21	7	3	0	0
Weeks Gestation										
Under 9	2,473	8	252	805	649	419	253	79	8	0
9-12	888	4	147	285	212	135	73	29	3	0
13-16	260	0	37	78	62	50	24	8	1	0
17-21	168	2	27	61	37	26	11	4	0	0
22 & Over	4	0	0	2	2	0	0	0	0	0
n.s.	9	0	2	0	3	1	3	0	0	0
Procedure										
Suction Curettage	2,346	9	287	738	596	386	240	83	7	0
Sharp Curettage	17	0	1	5	6	3	2	0	0	0
Dilation & Evac	320	1	51	103	74	57	25	8	1	0
Med Proc. 1 [‡]	1,052	3	116	367	270	174	92	26	4	0
Med Proc. 2 [§]	1	0	0	0	0	0	1	0	0	0
Intra-Uterine Pros. Instillation	1	0	0	1	0	0	0	0	0	0
Hysterotomy	1	0	1	0	0	0	0	0	0	0
Hysterectomy	0	0	0	0	0	0	0	0	0	0
Digoxin/Induction	0	0	0	0	0	0	0	0	0	0
"Partial Birth" Procedure	0	0	0	0	0	0	0	0	0	0
Other [¶]	64	1	9	17	19	11	4	3	0	0
n.s.	0	0	0	0	0	0	0	0	0	0
Previous Pregnancies										
None	1,124	12	358	491	180	55	22	6	0	0
1	790	2	79	336	222	99	34	17	1	0
2	641	0	21	208	194	124	67	25	2	0
3	548	0	5	116	173	124	101	25	4	0
4	302	0	0	48	89	90	48	25	2	0
5 & Over	390	0	0	32	104	139	90	22	3	0
n.s.	7	0	2	0	3	0	2	0	0	0

Table 39
Abortions by Age-Group of Patient
by Selected Characteristics
Kansas Residents, 2012

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	n.s.
Previous Induced Abortions										
None	2,425	12	421	874	538	329	178	65	8	0
1	893	2	37	262	276	182	102	30	2	0
2	312	0	4	73	95	68	51	19	2	0
3	104	0	1	20	29	32	19	3	0	0
4	31	0	0	1	13	11	5	1	0	0
5 & Over	30	0	0	1	11	9	7	2	0	0
n.s.	7	0	2	0	3	0	2	0	0	0
Number of Living Children										
None	1,557	14	397	668	311	99	50	18	0	0
1	928	0	55	354	270	155	69	24	1	0
2	749	0	11	161	229	183	113	44	8	0
3	337	0	0	34	105	105	76	16	1	0
4	141	0	0	13	33	51	30	12	2	0
5 & Over	83	0	0	1	14	38	24	6	0	0
n.s.	7	0	2	0	3	0	2	0	0	0
Children Born Alive Now Dead										
None	3,764	14	463	1,219	958	624	358	116	12	0
1	27	0	0	12	4	7	2	2	0	0
2	3	0	0	0	0	0	1	2	0	0
3	1	0	0	0	0	0	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5 & Over	0	0	0	0	0	0	0	0	0	0
n.s.	7	0	2	0	3	0	2	0	0	0
Spontaneous Terminations										
None	3,283	14	452	1,118	832	501	270	89	7	0
1	393	0	11	94	98	90	73	25	2	0
2	76	0	0	11	18	26	14	4	3	0
3	23	0	0	4	8	5	4	2	0	0
4	7	0	0	0	2	5	0	0	0	0
5 & Over	13	0	0	4	4	4	1	0	0	0
n.s.	7	0	2	0	3	0	2	0	0	0

* Totals are larger than reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. Not stated (n.s.) represent patients who refused to provide information or information not collected by other states.

† Includes selection of two or more races or other non-specified race

‡ Refers to drug mifepristone

§ Refers to drug methotrexate

¶ Other procedures mostly Suction Aspiration (41 cases) and Unknown (19 cases).

Table 40
Total Reported Abortions by Population Group
by Marital Status
Kansas, 2012

Population Group	Total		Marital Status					
			Married		Unmarried		n.s. [†]	
	Number	Percent	Number	Percent	Number	Percent		
Total	7,598	100.0	1,065	14.2	6,412	85.8	121	
White Non-Hispanic	4,459	100.0	604	13.7	3,790	86.3	65	
Black Non-Hispanic	1,725	100.0	139	8.2	1,562	91.8	24	
Native American								
Non-Hispanic	44	100.0	10	22.7	34	77.3	0	
Asian/Pacific								
Non-Hispanic	261	100.0	136	52.9	121	47.1	4	
Other Non-Hispanic*	301	100.0	28	9.4	270	90.6	3	
Hispanic Any Race	772	100.0	146	19.3	609	80.7	17	
n.s. [†]	36	100.0	2	n/a	26	n/a	8	

* Includes selection of two or more races or other non-specified race

† The not stated (n.s.) represent patients who refused to provide information or information not collected by other states.

Table 41
Total Reported Abortions by Population Group
by Weeks Gestation
Kansas, 2012

Population Group	Total		Weeks Gestation										n.s.**
			Under 9		9-12		13-16		17-21		22 & Over		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Total	7,598	100.0	4,960	65.4	1,783	23.5	512	6.7	330	4.3	4	0.1	9
White Non-Hispanic	4,459	100.0	3,038	68.2	961	21.6	271	6.1	183	4.1	1	0.0	5
Black Non-Hispanic	1,725	100.0	1,008	58.5	492	28.5	137	7.9	86	5.0	1	0.1	1
Native American Non-Hispanic	44	100.0	23	52.3	12	27.3	4	9.1	5	11.4	0	0.0	0
Asian/Pacific Non-Hispanic	261	100.0	201	77.0	37	14.2	12	4.6	11	4.2	0	0.0	0
Other Non-Hispanic*	301	100.0	191	63.5	81	26.9	20	6.6	9	3.0	0	0.0	0
Hispanic Any Race	772	100.0	485	62.8	190	24.6	61	7.9	34	4.4	2	0.3	0
n.s. [†]	36	100.0	14	n/a	10	n/a	7	n/a	2	n/a	0	n/a	3

* Includes selection of two or more races or other non-specified race

† The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

**Total Reported Abortions: Percent
Distribution by Weeks Gestation**
Kansas, 2012

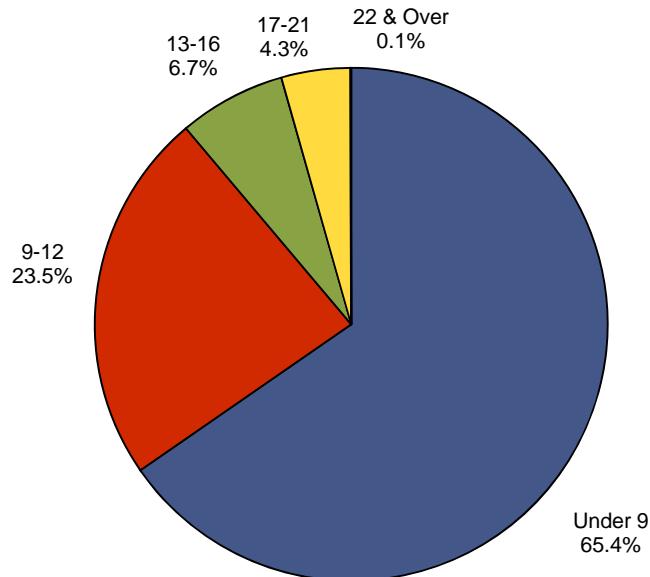


Figure 24

Table 42
Total Reported Abortions by Termination Procedure
by Weeks Gestation
Kansas, 2012

Termination Procedure	Total	Weeks Gestation					
		Under 9	9-12	13-16	17-21	22 & Over	n.s.*
Total	7,598	4,960	1,783	512	330	4	9
Suction Curettage	4,559	2,652	1,716	185	5	0	1
Sharp Curettage	21	16	3	0	0	1	1
Dilation & Evacuation	664	2	10	326	323	3	0
Medical Procedure I [†]	2,287	2,252	34	0	1	0	0
Medical Procedure II [‡]	1	1	0	0	0	0	0
Intra-Uterine							
Prostaglandin Instillation	1	0	1	0	0	0	0
Hysterotomy	1	0	0	0	0	0	1
Hysterectomy	0	0	0	0	0	0	0
Digoxin/Induction	0	0	0	0	0	0	0
"Partial Birth" Procedure	0	0	0	0	0	0	0
Other [§]	64	37	19	1	1	0	6
n.s.	0	0	0	0	0	0	0

* The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

[†] Refers to drug mifepristone

[‡] Refers to drug methotrexate

[§] Other procedures mostly Suction Aspiration (41 cases) and Unknown (19 cases).

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DEATHS

Table 43
 Deaths by Number, Crude* and Age-Adjusted Rate[†]
 by County of Residence and by Peer Group[‡]
 Kansas, 2008-2012

County of Residence	Year														5-Year		
	2008			2009			2010			2011			2012				
	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Crude Rate	Age Adj. Rate
Kansas	24,896	8.9	7.8	23,997	8.5	7.6	24,428	8.6	7.6	25,114	8.7	7.7	25,084	8.7	7.6	8.7	7.6
Allen	164	12.3	8.4	175	13.3	9.1	182	13.6	9.1	194	14.6	10.0	183	13.7	9.6	13.5	9.2
Anderson	96	12.0	8.0	107	13.6	9.1	95	11.7	7.0	106	13.1	8.7	96	12.1	7.6	12.5	8.0
Atchison	181	11.0	8.2	180	11.0	8.6	190	11.2	8.9	186	11.1	9.0	161	9.6	7.6	10.8	8.4
Barber	66	14.1	8.0	60	13.1	8.8	51	10.5	6.4	54	11.0	7.7	67	13.8	9.3	12.5	8.0
Barton	348	12.6	8.1	305	11.1	8.0	295	10.7	7.8	330	11.9	8.7	307	11.1	8.0	11.5	8.1
Bourbon	199	13.4	9.7	166	11.2	8.1	177	11.7	8.3	179	11.9	8.7	179	12.0	8.4	12.0	8.6
Brown	120	12.0	8.0	139	14.0	10.0	104	10.4	6.9	139	13.9	9.5	127	12.9	9.1	12.6	8.7
Butler	548	8.6	7.8	573	8.9	8.2	619	9.4	8.7	589	8.9	8.0	622	9.4	8.4	9.1	8.2
Chase	35	12.5	8.7	25	8.9	5.3	40	14.3	9.2	34	12.1	7.5	29	10.5	6.0	11.7	7.3
Chautauqua	69	18.3	10.8	53	14.2	8.0	53	14.4	8.2	64	17.9	9.7	52	14.6	8.5	15.9	9.0
Cherokee	289	13.7	11.1	265	12.6	10.2	278	12.9	10.5	280	13.1	10.8	270	12.7	10.3	13.0	10.6
Cheyenne	37	13.5	6.7	52	19.3	8.9	37	13.6	5.8	39	14.3	6.7	43	16.1	7.5	15.3	7.1
Clark	30	14.2	7.9	34	16.3	8.8	30	13.5	6.9	38	17.7	7.6	30	13.8	8.0	15.1	7.9
Clay	123	13.9	7.6	111	12.8	7.7	108	12.7	7.6	106	12.4	6.9	89	10.4	5.9	12.4	7.2
Cloud	148	15.7	8.2	155	16.7	9.1	130	13.6	7.6	129	13.8	7.8	131	13.9	8.1	14.7	8.1
Coffey	105	12.5	9.3	83	9.8	7.5	111	12.9	9.8	107	12.5	9.4	102	12.0	8.4	12.0	8.8
Comanche	28	14.4	6.9	27	14.4	6.5	39	20.6	11.7	29	15.4	10.5	23	12.0	6.7	15.4	8.4
Cowley	407	11.9	9.7	418	12.4	10.6	416	11.5	9.0	453	12.5	9.5	408	11.2	8.8	11.9	9.5
Crawford	422	10.9	8.8	366	9.4	8.0	439	11.2	9.2	430	11.0	9.1	418	10.6	8.7	10.6	8.7
Decatur	61	20.9	9.8	44	15.4	7.3	46	15.5	7.8	68	23.3	12.0	59	20.6	9.6	19.2	9.4
Dickinson	235	12.2	8.1	212	11.1	7.6	234	11.8	7.7	245	12.4	8.0	260	13.2	9.1	12.2	8.1
Doniphan	79	10.2	7.5	80	10.5	7.4	77	9.7	7.2	82	10.3	7.5	72	9.2	6.7	10.0	7.2
Douglas	549	4.8	5.9	588	5.1	6.0	627	5.7	7.1	590	5.3	6.4	645	5.7	6.8	5.3	6.4
Edwards	39	12.7	8.1	44	14.3	10.0	34	11.2	8.0	44	14.6	9.7	45	15.1	9.5	13.6	9.0
Elk	42	13.8	7.7	41	13.7	7.1	48	16.7	9.5	39	13.9	8.0	42	15.4	8.9	14.7	8.2
Ellis	269	9.7	7.4	243	8.8	7.3	225	7.9	6.6	233	8.1	6.9	259	8.9	7.5	8.7	7.1
Ellsworth	85	13.6	8.3	80	12.9	7.6	99	15.2	9.5	80	12.3	7.7	69	10.6	6.8	12.9	8.0
Finney	202	4.9	7.0	199	4.7	6.6	190	5.2	7.0	190	5.1	6.5	199	5.3	6.7	5.0	6.7
Ford	235	7.1	7.3	225	6.7	7.4	266	7.9	8.5	234	6.8	7.5	218	6.3	6.9	6.9	7.5
Franklin	245	9.2	8.3	242	9.2	8.6	245	9.4	8.2	232	8.9	7.6	251	9.7	8.4	9.3	8.2
Geary	208	6.7	7.5	218	6.9	8.2	204	5.9	8.4	196	5.5	8.1	198	5.2	8.2	6.0	8.0
Gove	39	15.3	7.5	51	20.6	10.3	26	9.6	4.5	39	14.5	8.0	34	12.5	5.9	14.4	7.3
Graham	43	16.6	8.3	36	14.8	7.4	39	15.0	7.6	32	12.1	7.4	39	15.1	9.4	14.7	8.0
Grant	51	6.9	7.7	40	5.4	6.2	57	7.3	8.9	45	5.7	7.0	69	8.7	10.5	6.8	8.0
Gray	51	9.0	8.3	49	8.2	7.2	54	9.0	8.5	43	7.0	6.5	47	7.8	6.9	8.2	7.4
Greeley	9	7.1	4.5	15	12.2	8.0	14	11.2	5.9	12	9.5	4.8	18	13.9	6.9	10.8	6.1
Greenwood	104	15.2	8.9	79	11.9	7.3	95	14.2	8.9	88	13.2	8.1	110	17.0	10.5	14.3	8.7
Hamilton	31	11.8	7.4	31	11.8	8.6	28	10.4	9.2	33	12.4	11.1	33	12.5	11.5	11.8	9.2
Harper	93	15.9	8.2	107	18.9	10.2	101	16.7	9.7	96	16.0	9.4	81	13.7	8.2	16.2	9.1
Harvey	349	10.4	6.9	335	9.8	6.5	399	11.5	7.8	379	10.9	7.0	392	11.2	7.4	10.8	7.1
Haskell	32	8.2	7.9	25	6.2	5.9	28	6.6	7.4	29	6.8	7.0	19	4.5	4.8	6.4	6.6
Hodgerman	18	9.2	5.9	26	13.6	8.8	17	8.9	5.4	17	8.6	5.6	11	5.6	3.5	9.2	5.7
Jackson	154	11.6	9.4	136	10.1	8.2	118	8.8	7.0	136	10.1	8.2	120	8.9	6.9	9.9	7.9
Jefferson	159	8.6	7.2	138	7.6	6.3	183	9.6	8.1	182	9.6	7.8	190	10.0	8.1	9.1	7.5
Jewell	44	14.0	6.0	41	13.4	6.7	35	11.4	5.9	46	14.9	7.0	40	13.1	6.0	13.4	6.3
Johnson	3,358	6.3	6.8	3,234	6.0	6.1	3,300	6.1	6.2	3,443	6.2	6.2	3,546	6.3	6.2	6.2	6.3
Kearny	39	9.4	8.8	38	9.1	9.8	34	8.5	7.7	49	12.3	11.2	46	11.6	10.0	10.2	9.4
Kingman	89	11.5	6.6	105	13.9	8.6	81	10.3	6.1	90	11.5	6.9	108	13.7	8.5	12.2	7.3
Kiowa	34	13.4	6.1	29	12.5	8.0	22	8.6	5.5	29	11.4	7.2	29	11.6	6.9	11.5	6.6
Labette	293	13.4	9.7	254	11.7	8.6	249	11.5	8.7	269	12.5	9.2	280	13.2	9.5	12.4	9.1
Lane	30	17.2	10.3	25	14.4	8.2	16	9.1	5.8	32	18.3	10.8	23	13.5	8.1	14.5	8.6
Leavenworth	526	7.1	8.2	521	6.9	7.9	554	7.3	7.8	566	7.3	7.7	557	7.2	7.3	7.2	7.8
Lincoln	46	14.1	8.1	44	14.1	8.2	40	12.3	7.8	52	16.2	8.7	35	11.0	6.4	13.6	7.8
Linn	131	13.6	9.1	114	12.2	9.1	109	11.3	7.7	107	11.1	7.4	127	13.5	9.1	12.3	8.4
Logan	39	15.0	9.0	30	11.8	7.3	29	10.5	6.3	34	12.2	7.7	34	12.2	6.6	12.3	7.3

Table 43
 Deaths by Number, Crude* and Age-Adjusted Rate[†]
 by County of Residence and by Peer Group[‡]
 Kansas, 2008-2012

County of Residence	Year														5-Year		
	2008			2009			2010			2011			2012				
	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Number	Crude Rate	Age Adj. Rate	Crude Rate	Age Adj. Rate
Lyon	258	7.3	6.5	274	8.2	7.0	263	7.8	7.2	330	9.8	9.1	256	7.6	7.0	8.1	7.3
McPherson	376	12.9	8.0	357	12.4	8.1	348	11.9	7.3	374	12.8	7.8	364	12.4	7.5	12.5	7.7
Marion	179	14.8	7.5	152	12.7	7.1	141	11.1	6.2	185	14.8	8.1	153	12.4	6.8	13.1	7.2
Marshall	110	10.8	5.7	121	12.0	7.1	131	12.9	7.1	131	13.1	7.2	140	14.0	7.5	12.5	6.9
Meade	50	11.5	7.3	49	11.1	7.8	50	10.9	7.2	54	11.9	8.2	43	9.8	6.4	11.0	7.4
Miami	269	8.7	8.9	245	7.9	8.4	290	8.8	8.3	261	8.0	7.4	236	7.2	6.4	8.1	7.8
Mitchell	102	16.2	8.7	104	16.4	9.2	99	15.5	8.4	75	11.9	6.9	99	15.6	8.7	15.1	8.4
Montgomery	478	13.9	9.6	418	12.2	8.6	456	12.9	9.1	467	13.4	9.4	439	12.7	9.3	13.0	9.2
Morris	78	12.9	7.1	78	13.0	7.4	71	12.0	6.4	88	14.9	8.4	80	13.7	8.2	13.3	7.5
Morton	36	12.1	10.1	36	11.9	9.3	36	11.1	7.6	50	15.6	10.1	26	8.2	5.3	11.8	8.3
Nemaha	139	13.7	7.4	104	10.4	6.0	135	13.3	7.0	142	14.0	7.6	130	12.8	6.7	12.9	6.9
Neosho	210	12.9	8.8	182	11.3	8.5	196	11.9	8.4	220	13.4	9.4	187	11.4	7.8	12.2	8.6
Ness	46	15.6	7.3	45	15.9	8.7	37	11.9	5.7	42	13.5	6.1	38	12.4	6.8	13.8	6.7
Norton	75	14.0	9.3	66	12.4	7.9	65	11.5	6.9	51	9.1	6.4	57	10.2	6.4	11.4	7.4
Osage	182	11.1	8.4	200	12.4	10.2	164	10.1	7.6	175	10.7	8.2	169	10.5	7.6	11.0	8.4
Osborne	63	16.6	7.5	49	12.7	5.9	46	11.9	5.5	63	16.4	8.0	63	16.6	8.6	14.8	7.1
Ottawa	71	11.8	7.3	66	11.0	7.3	72	11.8	9.1	68	11.1	8.2	67	11.0	8.4	11.4	8.0
Pawnee	83	13.2	9.9	80	12.9	10.2	73	10.5	7.2	73	10.4	7.2	77	11.1	7.5	11.6	8.2
Phillips	75	14.0	6.9	70	13.3	7.2	70	12.4	7.5	94	16.9	10.0	67	12.1	7.0	13.8	7.7
Pottawatomie	152	7.7	7.2	170	8.5	7.8	146	6.8	6.5	137	6.3	6.0	165	7.4	6.9	7.3	6.9
Pratt	116	12.3	7.7	95	10.2	6.8	121	12.5	7.7	128	13.2	8.7	113	11.6	7.6	12.0	7.7
Rawlins	50	20.0	10.0	31	12.8	6.9	35	13.9	6.4	32	12.7	6.6	33	12.9	6.3	14.5	7.2
Reno	692	10.9	7.6	692	10.9	7.8	685	10.6	7.6	731	11.3	7.9	763	11.8	8.4	11.1	7.8
Republic	68	14.1	5.8	82	17.1	7.4	80	16.1	7.5	95	19.4	8.5	92	18.9	8.2	17.1	7.5
Rice	140	13.9	9.9	118	11.7	8.4	121	12.0	8.4	130	12.9	9.1	141	14.1	9.9	12.9	9.1
Riley	317	4.5	6.0	329	4.6	6.6	312	4.4	6.3	334	4.6	6.8	314	4.2	6.0	4.4	6.3
Rooks	75	14.6	8.2	73	14.6	8.1	56	10.8	7.0	63	12.2	7.7	65	12.4	8.2	12.9	7.8
Rush	48	14.9	7.4	35	11.1	4.8	46	13.9	7.7	50	15.4	8.4	55	17.1	8.1	14.5	7.3
Russell	96	14.5	6.9	86	13.0	7.1	105	15.1	8.6	91	13.1	7.1	103	14.8	8.7	14.1	7.7
Saline	583	10.7	8.5	461	8.5	7.0	518	9.3	7.8	527	9.4	7.9	534	9.5	7.9	9.5	7.8
Scott	47	10.3	7.2	65	14.3	10.4	56	11.3	7.1	65	13.2	9.5	67	13.6	9.3	12.5	8.7
Sedgwick	3,836	7.9	8.0	3,898	7.9	8.0	3,920	7.9	7.9	4,027	8.0	8.0	4,027	8.0	7.9	8.0	7.9
Seward	137	6.0	7.3	144	6.3	7.7	134	5.8	7.6	124	5.3	7.4	136	5.8	7.5	5.8	7.4
Shawnee	1,756	10.1	8.7	1,660	9.4	8.1	1,641	9.2	7.7	1,687	9.4	7.9	1,751	9.8	8.0	9.6	8.1
Sheridan	33	13.1	7.3	31	12.7	8.2	35	13.7	7.1	32	12.5	6.7	32	12.6	7.4	12.9	7.2
Sherman	72	12.0	7.5	84	14.3	9.9	62	10.3	7.1	78	12.9	9.3	63	10.3	7.3	11.9	8.2
Smith	75	19.2	7.5	53	14.1	6.0	63	16.4	8.4	60	15.6	6.4	63	16.7	7.5	16.4	7.2
Stafford	56	12.9	7.4	53	12.2	6.4	68	15.3	8.8	63	14.4	8.9	57	13.1	7.3	13.6	7.7
Stanton	19	8.8	6.4	19	9.0	7.4	17	7.6	5.4	16	7.1	5.4	21	9.7	7.9	8.4	6.5
Stevens	43	8.5	6.9	41	8.0	7.1	52	9.1	8.0	43	7.7	6.2	47	8.2	6.9	8.3	7.1
Sumner	270	11.4	9.0	260	11.1	8.6	276	11.4	8.9	290	12.2	9.1	271	11.4	8.6	11.5	8.8
Thomas	94	12.9	10.2	69	9.4	7.8	87	11.0	8.1	61	7.6	5.9	66	8.3	6.2	9.8	7.5
Trego	41	14.2	6.9	49	16.8	8.6	47	15.7	8.2	49	16.7	9.3	47	15.7	8.1	15.8	8.2
Wabaunsee	58	8.4	6.8	51	7.4	6.2	76	10.8	8.8	75	10.7	8.9	72	10.2	8.1	9.5	7.7
Wallace.	17	12.1	6.6	16	11.4	6.3	21	14.1	7.3	17	11.1	6.4	17	11.2	6.2	12.0	6.6
Washington	76	13.1	6.3	87	15.3	7.2	73	12.6	6.8	70	12.0	5.8	71	12.3	6.5	13.1	6.5
Wichita	20	9.3	5.8	29	13.8	10.1	22	9.8	7.0	25	11.0	7.8	26	11.5	7.7	11.1	7.6
Wilson	135	13.9	8.3	138	14.6	9.0	129	13.7	9.1	115	12.4	8.5	138	15.2	10.2	13.9	8.9
Woodson	66	20.1	10.7	60	18.5	11.5	49	14.8	9.2	50	15.2	9.1	50	15.3	8.4	16.8	9.7
Wyandotte	1,402	9.1	9.9	1,309	8.4	9.2	1,308	8.3	9.0	1,338	8.5	9.0	1,351	8.5	9.1	8.6	9.2
n.s.	0	n/a	n/a	0	n/a	n/a	7	n/a	n/a	1	n/a	n/a	0	n/a	n/a	n/a	n/a
Peer Group																	
Frontier	1,208	14.0	7.5	1,135	13.3	7.6	1,414	12.4	7.3	1,566	13.8	8.2	1,491	13.3	7.7	13.3	7.0
Rural	3,505	12.9	8.0	3,326	12.3	7.9	2,883	12.1	7.7	2,907	12.2	7.9	2,895	12.3	8.4	12.4	8.4
Densely -Settled Rural	4,387	10.3	8.4	4,173	9.8	8.2	4,607	9.7	8.0	4,843	10.1	8.4	4,654	9.7	8.0	9.9	7.9
Semi-Urban	4,895	8.8	7.8	4,674	8.4	7.6	4,167	9.1	8.1	4,146	9.0	7.9	4,167	8.9	7.9	8.8	8.5
Urban	10,901	7.5	7.7	10,689	7.2	7.3	11,350	7.3	7.3	11,651	7.4	7.3	11,877	7.5	7.3	7.4	7.3

* Rate per 1,000 population

† Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

‡ See Technical Notes for Peer Group definition. Numerator and denominator for 5-year rate based on peer group assignment of counties in effect for the event year.

Table 44
Deaths by Number and Crude Rate*
by Selected City of Residence
Kansas, 2008-2012

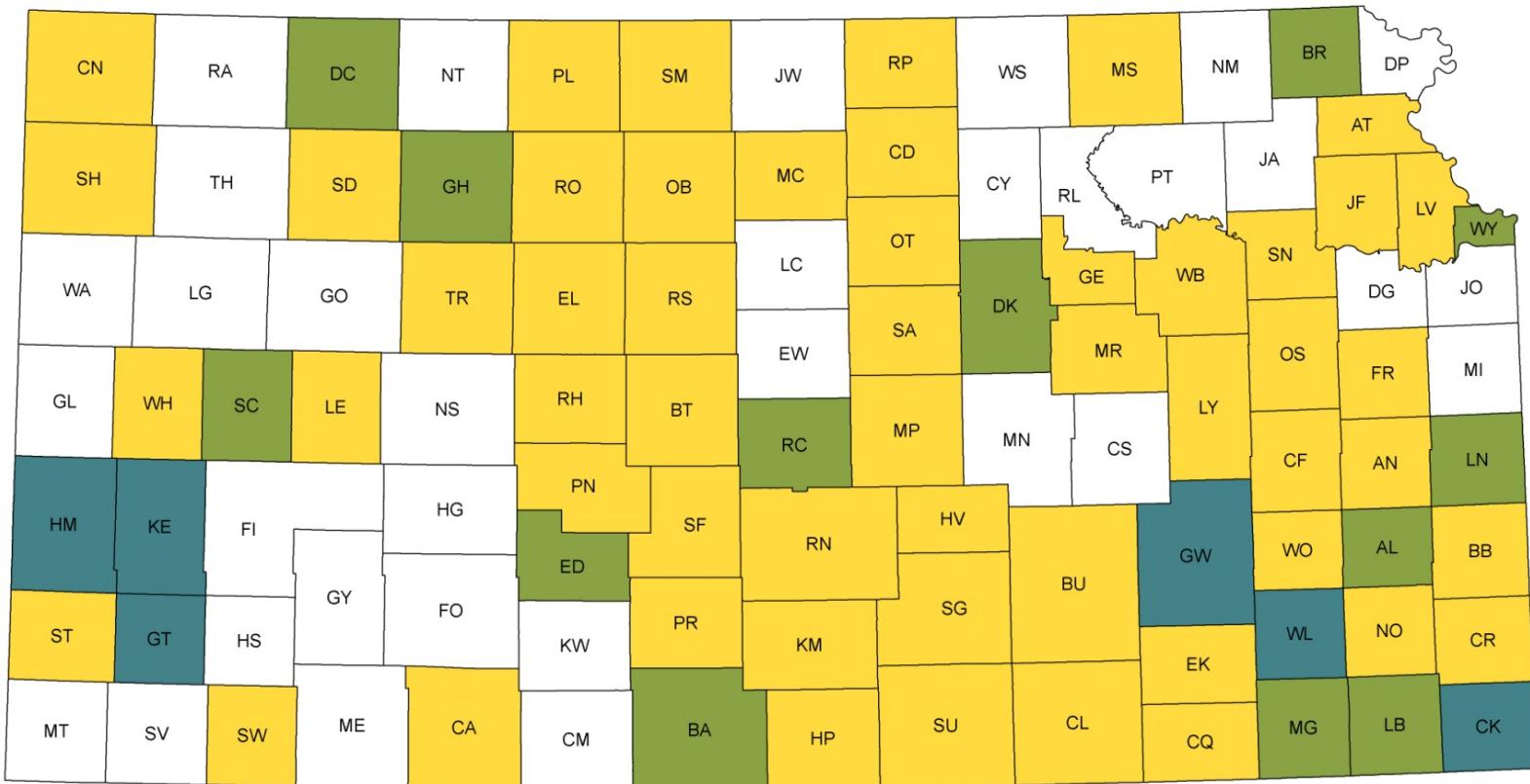
City of Residence	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Abilene	109	17.0	96	15.3	94	13.7	100	14.6	106	15.7	15.2	
Andover	77	7.4	80	7.6	78	6.6	97	8.2	99	8.2	7.6	
Arkansas City	154	13.9	146	13.3	163	13.1	171	13.8	147	11.9	13.2	
Atchison	136	13.1	129	12.4	136	12.3	148	13.5	121	11.0	12.5	
Augusta	113	13.0	122	14.0	106	11.4	116	12.5	109	11.8	12.5	
Baldwin City	32	7.4	33	7.5	45	10.0	40	8.8	37	8.2	8.4	
Basehor	27	6.4	22	5.0	34	7.3	30	6.4	34	7.1	6.5	
Baxter Springs	60	14.4	59	14.2	68	16.0	71	16.9	64	15.4	15.4	
Bel Aire	45	6.5	54	7.9	60	8.9	43	6.3	61	8.9	7.7	
Beloit	61	16.8	62	16.9	58	15.1	45	11.9	65	17.0	15.5	
Bonner Springs	62	8.7	46	6.3	66	9.0	63	8.6	61	8.2	8.2	
Burlington	41	15.3	36	13.5	39	14.6	52	19.6	36	13.6	15.3	
Chanute	129	14.6	95	10.9	123	13.5	129	14.2	124	13.5	13.3	
Clay Center	79	17.8	67	15.3	70	16.2	75	17.2	61	14.1	16.1	
Coffeyville	147	14.3	160	15.6	176	17.1	200	19.7	181	18.1	16.9	
Colby	72	15.0	53	11.0	62	11.5	48	8.8	54	10.0	11.2	
Columbus	66	20.7	56	17.6	49	14.8	56	17.1	55	16.9	17.4	
Concordia	98	18.8	105	20.6	68	12.6	75	14.1	88	16.5	16.5	
Derby	130	5.8	123	5.4	163	7.4	171	7.7	164	7.1	6.7	
De Soto	37	6.8	39	7.1	40	7.0	44	7.6	45	7.7	7.2	
Dodge City	181	7.0	174	6.7	196	7.2	164	5.9	159	5.7	6.5	
Edwardsville	59	13.2	38	8.4	39	9.0	47	10.8	49	11.2	10.5	
El Dorado	156	12.4	164	13.0	190	14.6	152	11.7	166	12.9	12.9	
Ellsworth	40	14.0	42	14.9	51	16.3	30	9.6	30	9.6	12.8	
Emporia	205	7.8	202	8.1	202	8.1	257	10.3	198	7.9	8.4	
Eudora	49	7.9	44	7.0	36	5.9	42	6.8	53	8.6	7.2	
Eureka	51	19.9	35	14.1	50	19.0	57	21.8	52	20.5	19.1	
Fairway	21	5.5	21	5.4	27	7.0	14	3.5	22	5.6	5.4	
Fort Scott	138	17.4	113	14.2	118	14.6	115	14.4	108	13.6	14.8	
Frontenac	51	16.0	41	12.8	57	16.6	52	15.1	43	12.4	14.6	
Galena	53	17.0	36	11.5	64	20.7	50	16.4	56	18.5	16.8	
Garden City	166	5.8	170	6.0	162	6.1	159	5.9	166	6.2	6.0	
Gardner	91	5.2	88	4.9	82	4.3	84	4.3	87	4.3	4.6	
Garnett	46	14.3	50	15.8	60	17.6	61	17.9	54	16.2	16.4	
Girard	46	16.9	32	11.8	45	16.1	45	16.1	44	15.7	15.3	
Goddard	23	5.9	21	5.2	38	8.6	43	9.8	26	5.7	7.1	
Goodland	60	13.7	77	18.0	51	11.4	67	14.8	54	11.8	13.9	
Great Bend	218	14.0	180	11.5	169	10.6	187	11.6	197	12.4	12.0	
Hays	184	9.0	165	8.1	156	7.6	165	8.0	193	9.2	8.4	
Haysville	90	8.7	89	8.5	92	8.5	103	9.5	113	10.3	9.1	
Herington	39	15.9	45	18.8	39	15.4	36	14.3	47	18.9	16.6	
Hesston	36	9.6	46	12.0	40	10.8	53	14.2	50	13.4	12.0	
Hiawatha	46	14.5	47	14.8	33	10.4	62	19.5	50	16.0	15.0	
Hillsboro	45	17.1	51	19.5	37	12.4	52	17.5	41	14.0	16.0	
Hoisington	38	13.2	39	13.9	37	13.7	40	14.7	34	12.6	13.6	
Holton	62	19.0	57	17.3	44	13.2	46	13.8	59	17.9	16.2	
Hugoton	35	10.3	32	9.3	47	12.0	36	9.4	39	9.9	10.2	
Hutchinson	489	12.0	479	11.7	500	11.9	513	12.2	527	12.6	12.1	
Independence	143	15.5	122	13.3	123	13.0	109	11.7	122	13.2	13.3	
Iola	82	14.2	77	13.5	81	14.2	92	16.2	97	17.0	15.0	
Junction City	180	8.7	176	8.4	166	7.1	159	6.6	159	6.2	7.3	
Kansas City	1,269	8.9	1,178	8.2	1,184	8.1	1,217	8.3	1,230	8.4	8.4	

Table 44
Deaths by Number and Crude Rate*
by Selected City of Residence
Kansas, 2008-2012

City of Residence	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Kingman	39	13.0	48	16.4	41	12.9	50	15.7	49	15.5	14.7	
Lansing	65	6.1	67	6.2	71	6.3	69	6.1	61	5.3	6.0	
Larned	54	15.0	60	16.9	55	13.6	51	12.5	61	15.2	14.6	
Lawrence	399	4.4	434	4.7	482	5.5	442	5.0	487	5.4	5.0	
Leavenworth	260	7.5	262	7.5	256	7.3	280	7.8	264	7.4	7.5	
Leawood	198	6.3	231	7.3	217	6.8	257	7.9	252	7.7	7.2	
Lenexa	341	7.3	282	5.9	287	6.0	312	6.4	338	6.8	6.5	
Liberal	124	6.2	129	6.4	118	5.7	112	5.4	123	5.8	5.9	
Lindsborg	49	15.1	36	11.2	54	15.6	53	15.3	56	16.2	14.7	
Louisburg	46	11.7	30	7.7	40	9.3	37	8.6	25	5.8	8.6	
Lyons	56	16.5	45	13.2	55	14.7	43	11.5	58	15.5	14.3	
McPherson	151	11.3	138	10.4	130	9.9	167	12.7	143	10.8	11.0	
Maize	15	4.8	17	5.1	21	6.0	15	4.4	17	4.6	5.0	
Manhattan	261	5.0	261	4.9	252	4.8	275	5.1	260	4.6	4.9	
Marysville	44	14.1	51	16.4	61	18.5	58	17.8	52	15.8	16.5	
Merriam	119	11.0	106	9.5	116	10.5	132	11.8	113	10.1	10.6	
Mission	83	8.5	80	8.1	70	7.5	96	10.1	82	8.7	8.6	
Mission Hills	21	5.9	17	4.7	15	4.3	17	4.8	17	4.8	4.9	
Mulvane	52	8.9	63	10.7	58	9.5	52	8.5	68	10.9	9.7	
Newton	206	11.4	171	9.3	236	12.3	193	10.0	224	11.7	10.9	
Norton	54	20.4	42	15.8	49	16.7	33	11.3	43	15.0	15.8	
Olathe	597	5.0	560	4.6	547	4.3	622	4.9	660	5.1	4.8	
Osage City	50	17.7	56	20.2	40	13.6	51	17.3	45	15.5	16.8	
Osawatomie	49	10.9	55	12.1	71	16.0	54	12.2	50	11.4	12.5	
Ottawa	145	11.3	135	10.5	136	10.8	123	9.7	152	12.1	10.9	
Overland Park	1,112	6.5	1,021	5.8	1,156	6.7	1,153	6.5	1,198	6.7	6.4	
Paola	70	13.1	50	9.4	69	12.3	60	10.7	55	9.9	11.1	
Park City	32	4.1	24	3.0	18	2.5	21	2.9	30	4.0	3.3	
Parsons	166	15.0	148	13.5	140	13.3	135	12.9	153	14.8	13.9	
Phillipsburg	40	16.9	29	12.3	40	15.5	53	20.8	33	13.1	15.8	
Pittsburg	200	10.2	153	7.8	201	9.9	202	10.0	204	10.0	9.6	
Prairie Village	210	9.8	190	8.8	194	9.0	174	8.0	178	8.2	8.7	
Pratt	96	15.0	73	11.6	104	15.2	105	15.3	98	14.2	14.3	
Roeland Park	47	6.8	40	5.7	42	6.2	33	4.8	39	5.7	5.8	
Rose Hill	27	6.7	30	7.3	31	7.9	38	9.7	43	10.9	8.5	
Russell	67	15.9	64	15.3	76	16.9	60	13.3	79	17.6	15.8	
Sabetha	47	18.9	33	13.5	45	17.5	59	23.1	51	19.9	18.6	
St Marys	19	8.3	20	8.7	21	8.0	16	6.0	16	6.0	7.3	
Salina	538	11.6	413	8.9	464	9.7	472	9.9	479	10.0	10.0	
Scott City	41	11.7	60	17.2	48	12.6	55	14.5	59	15.5	14.3	
Shawnee	339	5.6	321	5.2	375	6.0	343	5.4	375	5.9	5.6	
Spring Hill	32	6.1	32	6.1	39	7.2	42	7.7	42	7.5	6.9	
Tonganoxie	66	15.3	46	10.4	61	12.2	56	11.1	58	11.4	12.0	
Topeka	1,477	12.0	1,377	11.1	1,371	10.8	1,405	11.0	1,452	11.3	11.2	
Ulysses	44	7.9	34	6.2	47	7.6	38	6.1	59	9.5	7.5	
Valley Center	58	8.9	53	8.0	53	7.8	43	6.3	67	9.6	8.1	
Wamego	32	7.4	40	9.1	39	8.9	35	7.9	45	10.0	8.7	
Wellington	106	13.7	97	12.6	99	12.1	119	14.8	108	13.5	13.3	
Wichita	3,153	8.6	3,164	8.5	3,203	8.4	3,258	8.5	3,233	8.4	8.5	
Winfield	161	14.0	167	15.0	169	13.7	173	14.1	154	12.5	13.8	

*Rate per 1,000 population, based on US Census Bureau Estimates.

Age-Adjusted Death Rates By County of Residence Kansas, 2012



Legend



Under 7.0

7.0 - 8.9

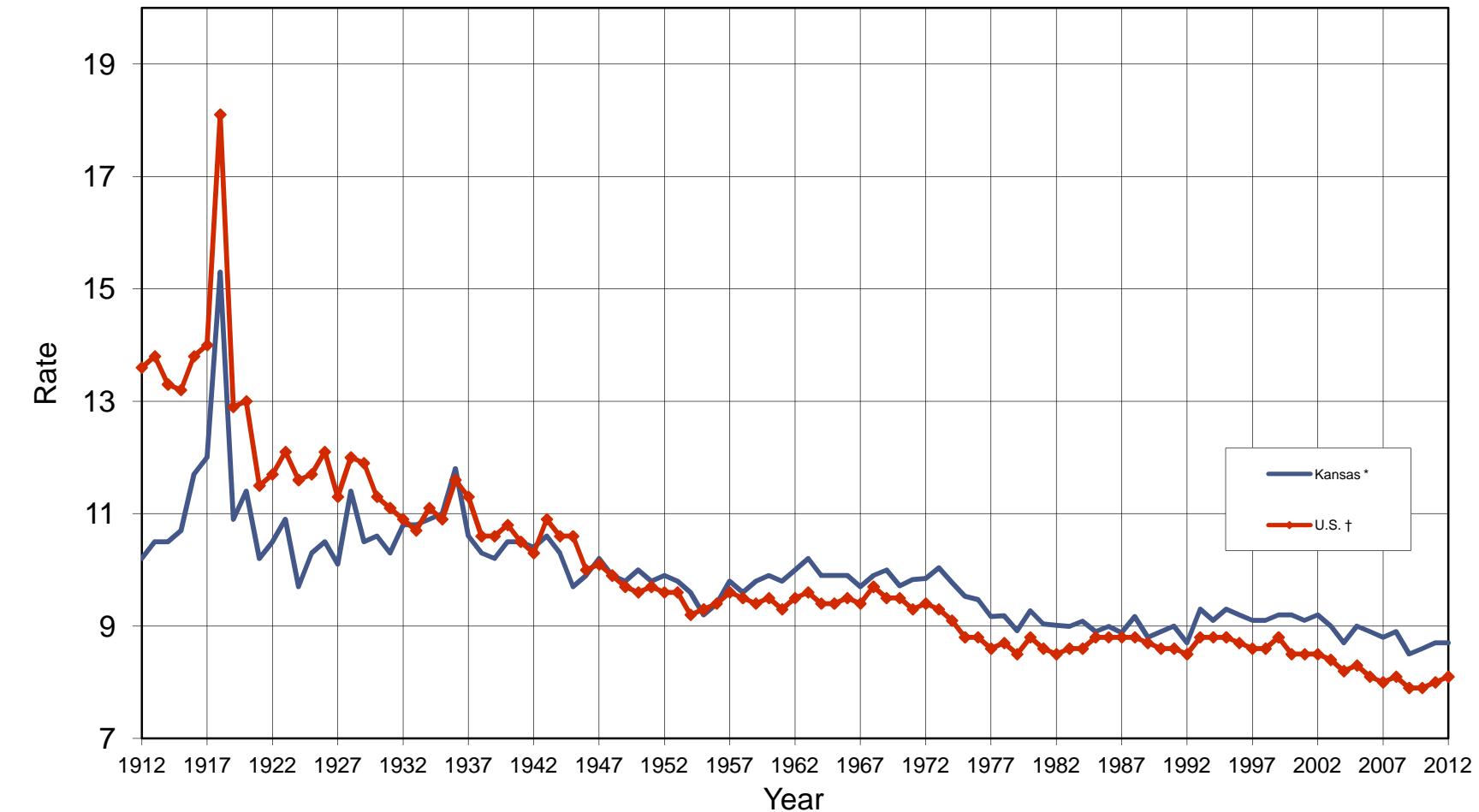
9.0 - 9.9

10.0 and over

Figure 25

Crude Death Rates

Kansas and the U.S., 1912-2012



*1912-1936 Occurrence data

1937-2011 Residence data

†2011-2012 Rates Provisional

Rate per 1,000 Population

Figure 26

Table 45
Stillbirths by Cause of Death and Weeks Gestation
Kansas, 2012

Cause of Death (ICD-10 Code)	Total Stillbirths	Weeks Gestation				
		Under 20	20-31	32-41	42 & Over	n.s.
All Causes	195	1	91	103	0	0
Certain Conditions Originating in the Perinatal Period (P00-P96)	177	1	86	90	0	0
-Fetus Affected by Maternal Conditions (P00)	16	0	8	8	0	0
-Fetus Affected by Maternal Complications of Pregnancy (P01)	11	0	10	1	0	0
-Fetus Affected by Complications of Placenta, Cord & Membrane (P02)	65	1	31	33	0	0
-Fetus Affected by Complications of Labor & Delivery (P03)	2	0	2	0	0	0
-Disorders Related to Short Gestation & Low Birth Weight (P07)	7	0	7	0	0	0
-Hypoxia and Birth Asphyxia (P20-P21)	0	0	0	0	0	0
-Cardiovascular Disorders (P29)	0	0	0	0	0	0
-Hemorrhagic & Hematologic Disorders of Fetus (P50-P54, P56)	0	0	0	0	0	0
-Unspecified Cause (P95)	57	0	22	35	0	0
-Other Perinatal Conditions (P04-P05, P08-P15, P22-P28, P35-P39, P55, P57-P94, P96)	19	0	6	13	0	0
Congenital Anomalies (Q00-Q99)	18	0	5	13	0	0
All other Causes	0	0	0	0	0	0

Table 46
Perinatal Period III Deaths by Component
Kansas, 1993-2012

Year	Stillbirths	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate*
1993	222	171	393	10.5
1994	231	140	371	9.9
1995	183	134	317	8.5
1996	179	157	336	9.2
1997	202	147	349	9.3
1998	199	132	331	8.6
1999	175	159	334	8.6
2000	177	146	323	8.1
2001	209	148	357	9.1
2002	146	155	301	7.6
2003	206	138	344	8.7
2004	186	144	330	8.3
2005	194	153	347	8.7
2006	192	137	329	8.0
2007	186	163	349	8.3
2008	182	160	342	8.1
2009	213	144	357	8.6
2010	168	143	311	7.7
2011	188	121	309	7.8
2012	195	142	337	8.3

*Rate per 1,000 live births + stillbirths

Table 47
 Perinatal Period III Deaths by Component
 by County of Residence
 Kansas, 2012

County of Residence	Total	Perinatal Period III Deaths		County of Residence	Total	Perinatal Period III Deaths	
		Stillbirths	Hebdomadal Deaths			Stillbirths	Hebdomadal Deaths
Kansas	337	195	142				
Allen	2	2	0	Lyon	3	0	3
Anderson	0	0	0	McPherson	1	0	1
Atchison	2	1	1	Marion	0	0	0
Barber	0	0	0	Marshall	0	0	0
Barton	3	1	2	Meade	1	1	0
Bourbon	0	0	0	Miami	0	0	0
Brown	1	1	0	Mitchell	2	2	0
Butler	5	2	3	Montgomery	5	3	2
Chase	0	0	0	Morris	0	0	0
Chautauqua	1	1	0	Morton	0	0	0
Cherokee	3	3	0	Nemaha	3	0	3
Cheyenne	1	0	1	Neosho	3	3	0
Clark	0	0	0	Ness	1	0	1
Clay	1	0	1	Norton	0	0	0
Cloud	1	0	1	Osage	2	1	1
Coffey	0	0	0	Osborne	1	0	1
Comanche	1	1	0	Ottawa	0	0	0
Cowley	6	6	0	Pawnee	1	0	1
Crawford	4	4	0	Phillips	1	0	1
Decatur	1	1	0	Pottawatomie	1	1	0
Dickinson	2	1	1	Pratt	0	0	0
Doniphan	0	0	0	Rawlins	0	0	0
Douglas	14	8	6	Reno	1	0	1
Edwards	2	0	2	Republic	0	0	0
Elk	0	0	0	Rice	0	0	0
Ellis	4	3	1	Riley	8	2	6
Ellsworth	1	0	1	Rooks	2	2	0
Finney	9	5	4	Rush	0	0	0
Ford	5	3	2	Russell	1	1	0
Franklin	2	2	0	Saline	3	2	1
Geary	4	3	1	Scott	2	1	1
Gove	0	0	0	Sedgwick	69	40	29
Graham	0	0	0	Seward	8	4	4
Grant	2	0	2	Shawnee	23	17	6
Gray	1	1	0	Sheridan	1	0	1
Greeley	0	0	0	Sherman	1	0	1
Greenwood	2	1	1	Smith	1	0	1
Hamilton	0	0	0	Stafford	1	1	0
Harper	0	0	0	Stanton	0	0	0
Harvey	5	4	1	Stevens	0	0	0
Haskell	1	0	1	Sumner	2	2	0
Hodgeman	0	0	0	Thomas	1	1	0
Jackson	1	0	1	Trego	0	0	0
Jefferson	1	0	1	Wabaunsee	0	0	0
Jewell	0	0	0	Wallace	0	0	0
Johnson	51	26	25	Washington	0	0	0
Kearny	0	0	0	Wichita	1	0	1
Kingman	1	1	0	Wilson	1	1	0
Kiowa	1	1	0	Woodson	0	0	0
Labette	3	1	2	Wyandotte	34	21	13
Lane	0	0	0				
Leavenworth	7	6	1				
Lincoln	0	0	0				
Linn	1	0	1				
Logan	0	0	0				

Table 48
Infant Mortality Rates*
by Population Group
Kansas, 1993-2012

Year	White Non-Hispanic [†]			Black Non-Hispanic [†]			Hispanic Any Race			Total Infant Death Rate: All Races [‡]
	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	
1993	30,650	224	7.3	3,206	76	23.7	2,305	18	7.8	8.7
1994	30,453	215	7.1	3,101	49	15.8	2,656	15	5.6	7.6
1995	30,221	184	6.1	2,850	51	17.9	2,812	17	6.0	6.9
1996	29,473	212	7.2	2,738	63	23.0	3,198	18	5.6	8.2
1997	29,659	189	6.4	2,766	46	16.6	3,525	29	8.2	7.4
1998	30,389	209	6.9	2,746	27	9.8	3,873	25	6.5	6.9
1999	30,362	215	7.1	2,815	42	14.9	4,204	15	3.6	7.3
2000	30,538	192	6.3	2,822	33	11.7	4,742	32	6.7	6.7
2001	29,703	190	6.4	2,745	54	19.7	4,875	36	7.4	7.3
2002	29,811	187	6.3	2,845	44	15.5	5,006	40	8.0	7.2
2003	29,482	172	5.8	2,730	40	14.7	5,417	45	8.3	6.7
2004	29,624	200	6.8	2,782	46	16.5	5,458	28	5.1	7.2
2005	28,903	181	6.3	2,670	45	16.9	6,073	52	8.6	7.5
2006	29,392	181	6.2	2,801	49	17.5	6,568	41	6.2	7.2
2007	30,170	205	6.8	2,856	56	19.6	6,676	56	8.4	7.9
2008	29,863	184	6.2	2,936	39	13.3	6,781	57	8.4	7.2
2009	29,471	178	6.0	2,830	44	15.5	6,790	40	5.9	7.0
2010	29,000	142	4.9	2,780	33	11.9	6,407	50	7.8	6.3
2011	28,382	150	5.3	2,708	35	12.9	6,293	42	6.7	6.2
2012	28,995	145	5.0	2,682	38	14.2	6,286	54	8.6	6.3

*Rate per 1,000 live births

[†]Due to changes in the collection of the race item on certificates, use caution when comparing 2005-2012 data to prior years. See Technical Notes.

[‡]Other non-Hispanic data is not given a separate column in this table due to the small numbers but is included in the total, and is available upon request.

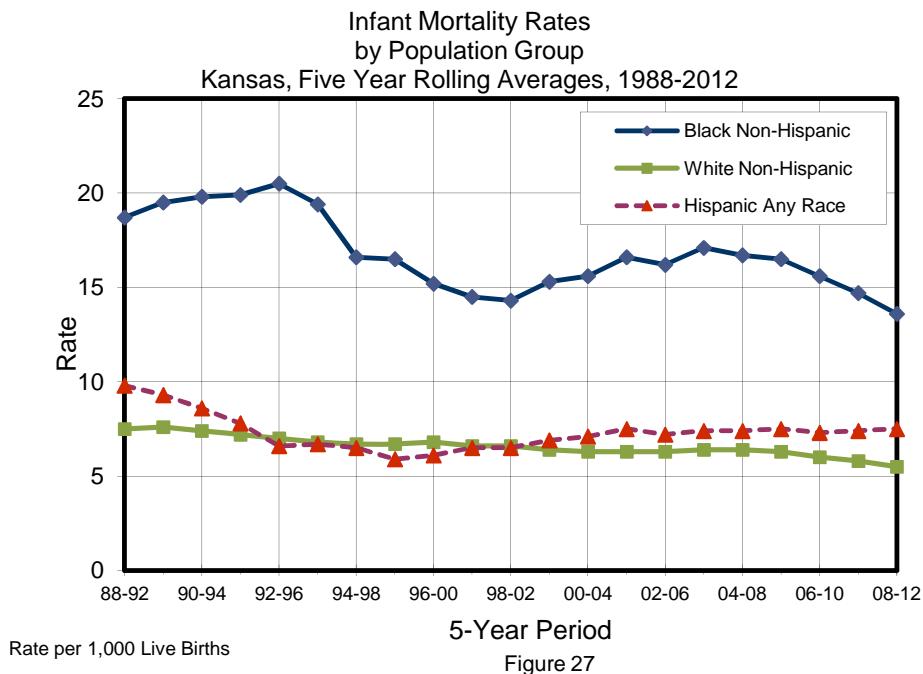


Table 49
Infant Deaths by County of Residence
by Peer Group*
Kansas, 2008-2012

County of Residence	Year					Total Infant Deaths 2008-2012	Infant Death Rate [†] 2008-2012
	2008	2009	2010	2011	2012		
Kansas	303	290	253	247	254	1,347	6.6
Allen	1	1	0	2	1	5	6.3
Anderson	1	1	0	0	0	2	3.9
Atchison	1	2	1	3	2	9	8.4
Barber	0	0	0	0	0	0	0.0
Barton	2	1	3	6	2	14	7.4
Bourbon	3	1	2	1	2	9	8.3
Brown	3	0	0	3	1	7	9.7
Butler	6	3	8	3	3	23	5.8
Chase	0	0	0	0	0	0	0.0
Chautauqua	1	1	1	1	0	4	21.6
Cherokee	3	1	2	3	0	9	7.1
Cheyenne	0	1	0	0	1	2	14.1
Clark	0	0	0	1	0	1	7.8
Clay	1	3	1	1	1	7	13.4
Cloud	5	0	1	1	1	8	12.6
Coffey	1	0	1	2	0	4	9.1
Comanche	0	0	0	0	0	0	0.0
Cowley	3	4	5	4	1	17	7.1
Crawford	3	2	2	2	3	12	4.7
Decatur	1	0	0	0	1	2	14.7
Dickinson	1	1	1	2	4	9	7.6
Doniphan	0	0	0	0	0	0	0.0
Douglas	12	1	4	1	6	24	3.8
Edwards	0	0	0	1	2	3	16.5
Elk	0	1	0	0	0	1	6.9
Ellis	1	1	1	5	2	10	5.1
Ellsworth	0	0	0	0	1	1	3.2
Finney	5	6	2	2	7	22	5.9
Ford	9	5	7	5	7	33	9.5
Franklin	3	1	1	2	3	10	6.1
Geary	11	10	9	8	4	42	8.9
Gove	0	0	0	0	1	1	6.3
Graham	0	1	0	0	1	2	15.3
Grant	1	0	0	0	2	3	4.6
Gray	0	1	0	1	0	2	4.4
Greeley	0	0	0	0	0	0	0.0
Greenwood	1	0	0	0	1	2	6.0
Hamilton	0	0	0	0	0	0	0.0
Harper	1	1	1	0	0	3	8.2
Harvey	2	4	3	2	3	14	6.1
Haskell	1	1	2	1	1	6	18.1
Hodgeman	0	0	0	0	0	0	0.0
Jackson	1	1	1	1	2	6	7.1
Jefferson	0	1	4	2	2	9	9.3
Jewell	0	0	0	0	0	0	0.0
Johnson	56	41	31	36	31	195	5.2
Kearny	0	1	0	1	0	2	6.7
Kingman	0	0	0	2	0	2	4.8
Kiowa	0	2	1	0	0	3	20.0
Labette	2	3	4	3	2	14	9.9
Lane	0	0	0	0	0	0	0.0
Leavenworth	4	5	4	3	2	18	3.7
Lincoln	0	0	0	0	0	0	0.0
Linn	0	0	0	0	2	2	4.0
Logan	0	1	1	0	0	2	13.8

Table 49
Infant Deaths by County of Residence
by Peer Group*
Kansas, 2008-2012

County of Residence	Year					Total Infant Deaths 2008-2012	Infant Death Rate [†] 2008-2012
	2008	2009	2010	2011	2012		
Lyon	3	5	4	4	5	21	9.4
McPherson	2	5	2	4	2	15	8.5
Marion	1	5	2	1	0	9	15.5
Marshall	1	1	1	4	0	7	11.9
Meade	0	0	0	1	0	1	3.4
Miami	1	2	4	1	2	10	5.2
Mitchell	2	1	1	0	0	4	10.6
Montgomery	1	2	0	3	4	10	4.2
Morris	0	0	0	1	0	1	3.3
Morton	0	0	0	0	0	0	0.0
Nemaha	1	1	0	1	3	6	9.3
Neosho	2	7	3	0	3	15	13.8
Ness	0	0	0	0	1	1	6.2
Norton	0	0	0	0	1	1	4.1
Osage	0	1	0	1	1	3	3.3
Osborne	0	0	0	1	1	2	10.1
Ottawa	0	0	1	0	0	1	3.2
Pawnee	0	1	0	0	2	3	8.0
Phillips	0	0	0	0	1	1	3.4
Pottawatomie	3	1	2	1	1	8	4.5
Pratt	1	1	1	1	0	4	5.8
Rawlins	1	0	1	1	0	3	25.0
Reno	6	7	7	7	3	30	7.6
Republic	0	0	0	0	0	0	0.0
Rice	0	0	1	1	0	2	3.3
Riley	5	12	4	2	9	32	5.8
Rooks	1	1	0	0	0	2	6.3
Rush	0	0	0	1	0	1	6.9
Russell	0	1	3	1	0	5	11.7
Saline	8	5	6	4	3	26	6.4
Scott	0	2	1	0	1	4	11.8
Sedgwick	55	69	60	52	61	297	7.4
Seward	6	0	2	0	4	12	4.8
Shawnee	22	25	16	17	10	90	7.2
Sheridan	0	0	0	0	1	1	7.2
Sherman	0	0	0	1	1	2	5.2
Smith	0	0	0	0	1	1	5.8
Stafford	0	0	0	0	0	0	0.0
Stanton	1	0	0	0	0	1	6.1
Stevens	1	0	0	0	1	2	4.7
Sumner	1	2	1	3	2	9	6.1
Thomas	5	3	0	0	0	8	14.6
Trego	0	0	0	0	0	0	0.0
Wabaunsee	0	0	0	1	0	1	2.3
Wallace	0	0	0	0	0	0	0.0
Washington	0	0	0	0	0	0	0.0
Wichita	1	0	0	0	1	2	13.9
Wilson	0	1	2	1	0	4	6.5
Woodson	1	0	1	0	0	2	11.6
Wyandotte	25	19	23	20	24	111	7.9
Peer Group							
Frontier	4	7	4	9	13	37	6.3
Rural	31	27	20	23	18	119	7.7
Densely -Settled Rural	45	43	47	52	52	239	7.2
Semi-Urban	53	58	44	34	37	226	6.3
Urban	170	155	138	129	134	726	6.4

* See Technical Notes for Peer Group definition.

[†] Rate per 1,000 live births.

Table 50
Infant Deaths by Cause of Death and Age-Group of Infant
Kansas, 2012

Cause of Death (ICD-10 Code)	Age-Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days *	7-27 Days	Under 28 Days †	28-364 Days	Under 1 Year
All Causes	109	33	142	31	173	81	254
Infectious and Parasitic Diseases (A00-B99)	0	0	0	1	1	2	3
Other Diseases and Disorders (C00-O99)	3	3	6	2	8	19	27
Certain Conditions Originating in the Perinatal Period (P00-P96)	87	17	104	18	122	0	122
-Maternal Factors and Compl. of Pregnancy, Labor and Delivery (P00-P04)	18	2	20	0	20	0	20
-Disorders Relating to Short Gestation and Low Birth Weight (P07)	55	2	57	1	58	0	58
-Birth Trauma (P10-P15)	0	0	0	0	0	0	0
-Hypoxia and Birth Asphyxia (P20-P21)	1	1	2	0	2	0	2
-Respiratory Distress of Newborn (P22)	0	1	1	0	1	0	1
-Congenital Pneumonia (P23)	0	0	0	0	0	0	0
-Other Respiratory Conditions of Newborn (P24-P28)	4	0	4	3	7	0	7
-Bacterial Sepsis of Newborn (P36)	0	3	3	1	4	0	4
-Omphalitis of Newborn w/wo Mild Hemorrhage (P38)	0	0	0	0	0	0	0
-Hemorrhagic and Hematolog. Disorders of Fetus and Newborn (P50-P61)	1	2	3	4	7	0	7
-Other Perinatal Conditions (P05, P08, P29, P35, P37, P39, P70-P96)	8	6	14	9	23	0	23
Congenital Anomalies (Q00-Q99)	18	11	29	8	37	14	51
Symptoms and Abnormal Findings (R00-R99)	1	1	2	2	4	34	38
-Sudden Infant Death Syndrome (R95)	0	1	1	1	2	22	24
-Other (R00-R94, R96-R99)	1	0	1	1	2	12	14
External Causes of Mortality (V01-Y89)	0	1	1	0	1	12	13

* Hebdomadal Deaths

† Neonatal Deaths

Infant Deaths by Component

Kansas, 1993-2012

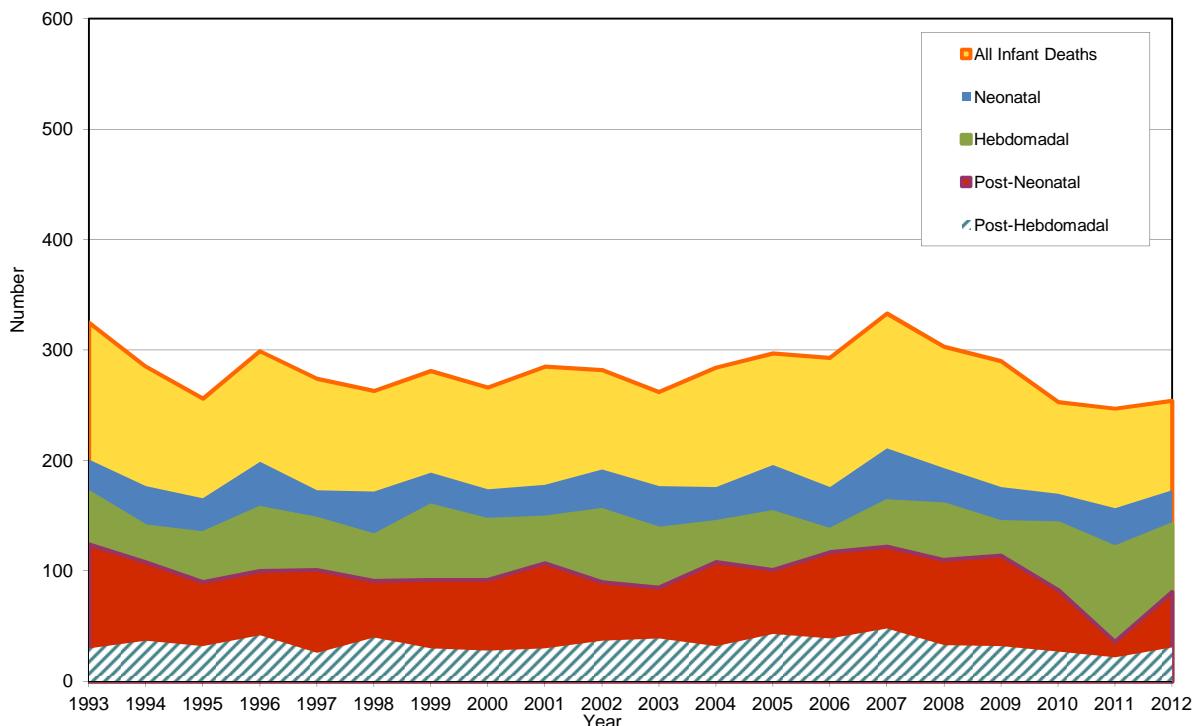


Figure 28

Pregnancy Associated Deaths*

Kansas, 2008-2012

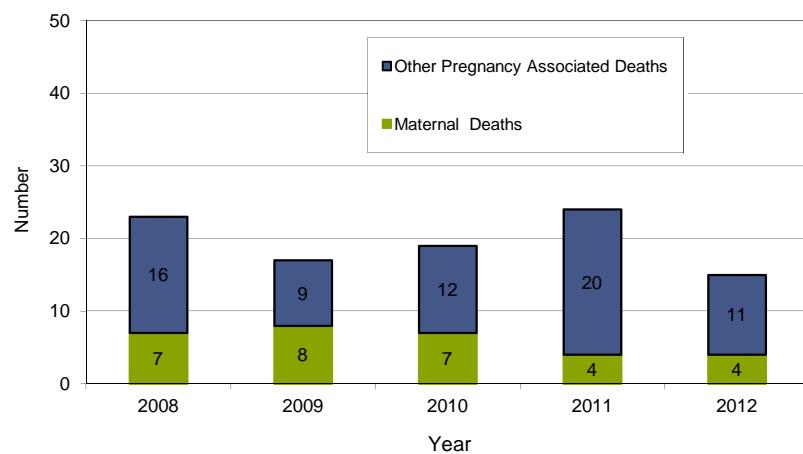


Figure 29

*See Technical Notes for Pregnancy Associated Deaths and Maternal Mortality definitions

Table 51
Infant Deaths by Component
by County of Residence
Kansas, 2012

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Kansas	142	31	173	81	254
Allen	0	0	0	1	1
Anderson	0	0	0	0	0
Atchison	1	0	1	1	2
Barber	0	0	0	0	0
Barton	2	0	2	0	2
Bourbon	0	2	2	0	2
Brown	0	0	0	1	1
Butler	3	0	3	0	3
Chase	0	0	0	0	0
Chautauqua	0	0	0	0	0
Cherokee	0	0	0	0	0
Cheyenne	1	0	1	0	1
Clark	0	0	0	0	0
Clay	1	0	1	0	1
Cloud	1	0	1	0	1
Coffey	0	0	0	0	0
Comanche	0	0	0	0	0
Cowley	0	0	0	1	1
Crawford	0	0	0	3	3
Decatur	0	1	1	0	1
Dickinson	1	0	1	3	4
Doniphan	0	0	0	0	0
Douglas	6	0	6	0	6
Edwards	2	0	2	0	2
Elk	0	0	0	0	0
Ellis	1	0	1	1	2
Ellsworth	1	0	1	0	1
Finney	4	1	5	2	7
Ford	2	0	2	5	7
Franklin	0	1	1	2	3
Geary	1	2	3	1	4
Gove	0	0	0	1	1
Graham	0	0	0	1	1
Grant	2	0	2	0	2
Gray	0	0	0	0	0
Greeley	0	0	0	0	0
Greenwood	1	0	1	0	1
Hamilton	0	0	0	0	0
Harper	0	0	0	0	0
Harvey	1	1	2	1	3
Haskell	1	0	1	0	1
Hodgeman	0	0	0	0	0
Jackson	1	0	1	1	2
Jefferson	1	0	1	1	2
Jewell	0	0	0	0	0
Johnson	25	1	26	5	31
Kearny	0	0	0	0	0
Kingman	0	0	0	0	0
Kiowa	0	0	0	0	0
Labette	2	0	2	0	2
Lane	0	0	0	0	0
Leavenworth	1	0	1	1	2
Lincoln	0	0	0	0	0
Linn	1	0	1	1	2
Logan	0	0	0	0	0

Table 51
Infant Deaths by Component
by County of Residence
Kansas, 2012

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Lyon	3	1	4	1	5
McPherson	1	1	2	0	2
Marion	0	0	0	0	0
Marshall	0	0	0	0	0
Meade	0	0	0	0	0
Miami	0	1	1	1	2
Mitchell	0	0	0	0	0
Montgomery	2	0	2	2	4
Morris	0	0	0	0	0
Morton	0	0	0	0	0
Nemaha	3	0	3	0	3
Neosho	0	2	2	1	3
Ness	1	0	1	0	1
Norton	0	0	0	1	1
Osage	1	0	1	0	1
Osborne	1	0	1	0	1
Ottawa	0	0	0	0	0
Pawnee	1	0	1	1	2
Phillips	1	0	1	0	1
Pottawatomie	0	0	0	1	1
Pratt	0	0	0	0	0
Rawlins	0	0	0	0	0
Reno	1	0	1	2	3
Republic	0	0	0	0	0
Rice	0	0	0	0	0
Riley	6	1	7	2	9
Rooks	0	0	0	0	0
Rush	0	0	0	0	0
Russell	0	0	0	0	0
Saline	1	0	1	2	3
Scott	1	0	1	0	1
Sedgwick	29	8	37	24	61
Seward	4	0	4	0	4
Shawnee	6	1	7	3	10
Sheridan	1	0	1	0	1
Sherman	1	0	1	0	1
Smith	1	0	1	0	1
Stafford	0	0	0	0	0
Stanton	0	0	0	0	0
Stevens	0	0	0	1	1
Sumner	0	1	1	1	2
Thomas	0	0	0	0	0
Trego	0	0	0	0	0
Wabaunsee	0	0	0	0	0
Wallace	0	0	0	0	0
Washington	0	0	0	0	0
Wichita	1	0	1	0	1
Wilson	0	0	0	0	0
Woodson	0	0	0	0	0
Wyandotte	13	6	19	5	24

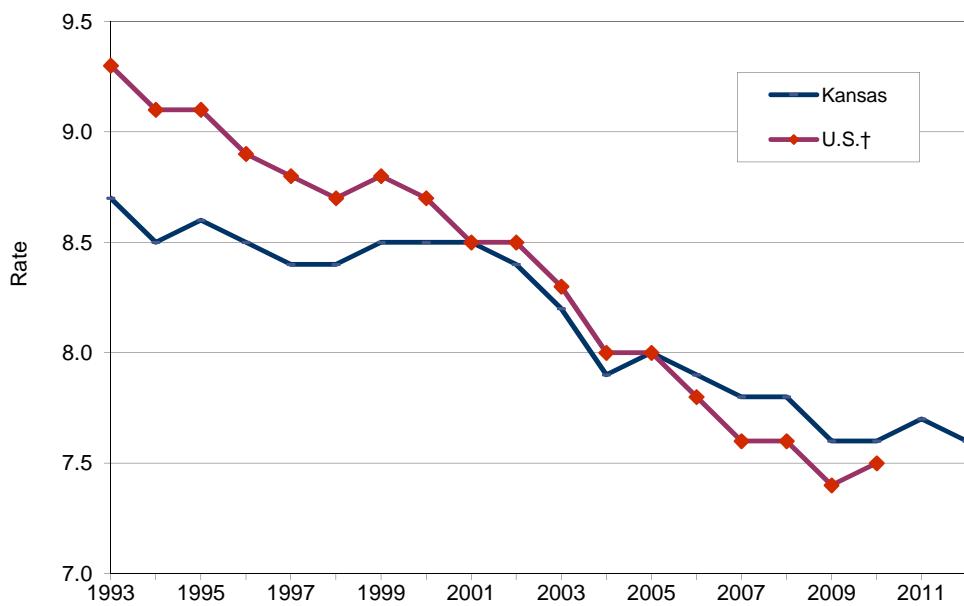
Table 52
Age-Specific Death Rates* by Sex
Kansas, 1993-2012

Age-Group and Sex	Year																			
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Both Sexes																				
Total	9.2	9.0	9.2	9.2	9.0	9.1	9.2	9.2	9.1	9.2	9.0	8.7	9.0	8.9	8.8	8.9	8.5	8.6	8.7	8.7
Under 1	8.9	7.8	7.1	8.4	7.5	7.1	7.5	7.0	7.5	7.4	6.8	7.3	7.7	7.4	8.2	7.1	7.0	6.2	6.2	6.4
1-4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.3	0.4	0.3	0.3
5-14	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
15-24	0.9	1.0	0.9	1.0	0.9	0.9	0.8	0.8	0.9	0.9	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.8	0.7	0.7
25-34	1.1	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	1.0	0.9	1.1	0.9	0.9	1.1	1.1	1.1	1.1
35-44	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.8	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.8	1.8
45-54	3.7	3.7	3.9	3.5	3.7	3.6	3.8	3.6	3.9	4.0	4.0	4.1	4.1	4.0	4.2	3.9	4.1	4.0	4.1	4.1
55-64	10.4	9.6	9.8	10.1	9.7	9.4	9.9	9.3	9.6	9.1	9.0	8.6	8.9	8.6	8.3	8.6	8.6	8.5	8.6	8.5
65-74	24.5	24.1	24.5	24.4	23.4	23.7	24.0	23.1	22.9	22.4	21.6	20.9	21.5	21.3	20.0	20.5	20.1	18.9	19.1	19.3
75-84	57.2	55.5	55.9	54.2	54.4	54.1	54.7	55.9	55.7	55.7	54.6	52.8	54.0	53.5	53.4	53.2	50.1	48.4	48.8	48.8
85 and over	153.3	150.2	154.9	153.4	152.3	154.3	154.2	160.5	154.5	154.6	149.7	140.4	142.3	137.8	138.0	138.6	133.4	144.8	145.9	140.5
Male	9.3	9.0	9.2	9.1	9.1	8.9	8.9	8.8	8.8	8.8	8.5	8.3	8.7	8.5	8.6	8.7	8.4	8.6	8.6	8.7
Under 1	9.0	9.0	7.7	9.4	8.3	7.7	8.7	7.5	8.4	7.6	8.0	8.1	8.1	8.3	9.0	7.8	7.0	7.2	6.8	7.0
1-4	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2
5-14	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15-24	1.3	1.4	1.2	1.4	1.3	1.3	1.2	1.2	1.3	1.2	1.0	1.0	1.0	1.0	1.1	1.2	0.9	1.1	1.1	1.0
25-34	1.6	1.8	1.6	1.6	1.4	1.5	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.5	1.3	1.3	1.5	1.5	1.4	1.5
35-44	2.1	2.1	2.3	2.3	2.0	2.2	2.0	2.1	2.2	2.5	2.3	2.2	2.2	2.1	2.0	2.1	2.0	2.0	2.2	2.1
45-54	4.7	4.7	4.9	4.3	4.7	4.6	4.6	4.5	4.9	4.9	4.8	5.2	5.1	5.1	5.1	4.9	4.9	5.1	4.8	5.0
55-64	13.1	12.2	12.3	12.3	12.3	11.5	11.9	11.1	11.9	11.1	11.1	10.6	10.9	10.3	10.2	10.7	10.8	10.6	10.5	10.5
65-74	32.0	31.6	30.7	30.8	30.3	30.3	30.5	27.8	28.1	27.6	26.4	25.3	25.9	25.2	24.4	24.3	24.3	23.2	23.1	23.2
75-84	75.9	70.2	73.4	70.3	71.0	68.0	67.8	70.3	69.2	67.3	65.3	62.0	64.5	65.0	65.1	64.8	59.6	58.3	57.0	57.3
85 and over	179.9	176.6	179.4	178.3	175.1	173.6	170.2	187.4	179.6	174.5	163.6	148.4	156.1	149.3	153.9	156.8	156.8	161.9	159.0	155.5
Female	9.2	9.1	9.3	9.2	9.0	9.2	9.4	9.5	9.4	9.6	9.4	9.0	9.2	9.2	9.0	9.1	8.6	8.5	8.9	8.7
Under 1	8.8	6.6	6.5	7.4	6.7	6.4	6.3	6.4	6.5	7.1	5.6	6.5	7.2	6.5	7.4	6.5	7.0	5.2	5.5	5.7
1-4	0.3	0.4	0.3	0.5	0.2	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.4	0.2	0.3	0.2	0.3
5-14	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
15-24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4
25-34	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.6	0.5	0.5	0.7	0.5	0.6	0.6	0.6	0.8	0.6	0.7	0.6
35-44	1.2	1.2	1.0	1.1	1.3	1.1	1.2	1.3	1.4	1.5	1.4	1.3	1.5	1.5	1.4	1.2	1.3	1.2	1.4	1.5
45-54	2.8	2.9	3.0	2.7	2.6	2.6	2.9	2.7	3.0	3.0	3.1	3.0	3.1	3.0	3.2	2.9	3.2	3.0	3.4	3.3
55-64	7.8	7.3	7.4	8.0	7.2	7.3	8.0	7.6	7.5	7.3	7.0	6.7	7.0	7.0	6.4	6.6	6.4	6.4	6.6	6.5
65-74	18.5	18.0	19.4	19.2	17.6	18.2	18.7	19.2	18.6	18.1	17.6	17.3	17.7	17.9	16.3	17.1	16.4	15.2	15.6	15.8
75-84	45.6	46.4	44.9	43.9	43.7	45.1	46.0	46.4	46.9	47.8	47.2	46.2	46.4	45.5	45.3	45.1	43.4	41.2	42.8	42.5
85 and over	143.1	140.0	145.3	143.5	143.1	146.4	147.5	150.0	144.7	146.5	143.9	136.9	136.1	132.7	131.0	130.4	123.3	136.5	139.4	132.9

*Rate per 1,000 age-group population

Rates may differ from those published in reports prior to 1999.

Age-Adjusted Death Rates*
Kansas and the U.S., 1993-2012



*Rate per 1,000 Standard

U.S. 2000 Population

† 2011-2012 Rates Not Available

Figure 30

Table 53
Age-Adjusted Death Rates* by Sex
Kansas and the U.S., 1993-2012

Year	Kansas			U.S.		
	Total	Male	Female	Total	Male	Female
1993	8.7	11.0	7.1	9.3	11.8	7.5
1994	8.5	10.6	7.0	9.1	11.6	7.4
1995	8.6	10.8	7.1	9.1	11.4	7.4
1996	8.5	10.6	7.0	8.9	11.2	7.3
1997	8.4	10.5	6.8	8.8	10.9	7.3
1998	8.4	10.3	6.9	8.7	10.7	7.2
1999	8.5	10.2	7.2	8.8	10.7	7.3
2000	8.5	10.3	7.2	8.7	10.5	7.3
2001	8.5	10.3	7.1	8.5	10.3	7.2
2002	8.4	10.1	7.2	8.5	10.1	7.2
2003	8.2	9.7	7.0	8.3	9.9	7.1
2004	7.9	9.2	6.8	8.0	9.6	6.8
2005	8.0	9.5	6.9	8.0	9.5	6.8
2006	7.9	9.3	6.8	7.8	9.2	6.6
2007	7.8	9.3	6.6	7.6	9.1	6.4
2008	7.8	9.4	6.6	7.6	9.0	6.4
2009	7.6	9.1	6.4	7.4	8.9	6.3
2010	7.6	9.1	6.4	7.5	8.9	6.3
2011	7.7	9.0	6.6	n.a.	n.a.	n.a.
2012	7.6	8.9	6.5	n.a.	n.a.	n.a.

* Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

Rates will differ from those published prior to 1999 because they have been recalculated using the 2000 U.S. standard population.

Table 54
Deaths by Age-Group and Average Age at Death
by County of Residence
Kansas, 2012

County of Residence	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	n.s.	
Kansas	25,084	254	42	53	301	408	610	1,603	2,978	3,991	6,111	8,733	0	74.1
Allen	183	1	0	0	2	5	4	16	14	28	45	68	0	75.4
Anderson	96	0	0	0	0	1	3	5	10	15	21	41	0	77.8
Atchison	161	2	0	0	1	2	4	10	20	30	38	54	0	74.4
Barber	67	0	0	0	0	1	3	3	3	18	22	17	0	74.8
Barton	307	2	0	1	5	3	7	17	32	42	85	113	0	75.8
Bourbon	179	2	0	0	2	3	3	7	21	27	49	65	0	75.8
Brown	127	1	0	0	4	4	3	11	19	14	30	41	0	71.4
Butler	622	3	1	0	10	10	12	28	78	119	162	199	0	74.6
Chase	29	0	0	0	0	0	0	2	3	4	6	14	0	78.3
Chautauqua	52	0	0	0	1	1	1	4	6	13	8	18	0	73.6
Cherokee	270	0	1	0	2	7	15	24	43	58	55	65	0	70.2
Cheyenne	43	1	0	0	0	0	0	3	4	6	10	19	0	78.0
Clark	30	0	0	0	1	1	0	1	4	7	4	12	0	74.9
Clay	89	1	0	0	1	0	0	3	9	6	29	40	0	80.4
Cloud	131	1	0	0	0	3	1	6	12	22	30	56	0	78.0
Coffey	102	0	0	0	0	0	3	2	14	13	29	41	0	77.7
Comanche	23	0	0	0	0	0	0	0	5	4	9	5	0	75.2
Cowley	408	1	0	2	5	6	18	22	51	67	100	136	0	73.9
Crawford	418	3	0	0	5	4	8	24	46	66	84	178	0	76.6
Decatur	59	1	0	0	1	0	1	1	5	7	18	25	0	77.6
Dickinson	260	4	1	0	2	2	8	14	31	35	70	93	0	75.4
Doniphan	72	0	0	0	1	0	1	4	8	10	19	29	0	78.1
Douglas	645	6	3	3	3	12	14	35	69	99	148	253	0	75.2
Edwards	45	2	0	1	0	0	0	0	5	7	11	19	0	75.6
Elk	42	0	0	0	0	2	1	2	4	8	7	18	0	74.9
Ellis	259	2	0	0	2	3	3	13	25	36	74	101	0	77.1
Ellsworth	69	1	0	0	0	0	1	4	10	13	13	27	0	75.6
Finney	199	7	1	1	2	3	11	19	34	35	39	47	0	66.9
Ford	218	7	2	1	4	3	9	15	23	27	50	77	0	71.2
Franklin	251	3	0	0	4	2	7	21	23	48	71	72	0	73.6
Geary	198	4	2	1	4	6	6	10	36	37	42	50	0	69.0
Gove	34	1	0	0	0	0	0	0	3	3	13	14	0	79.1
Graham	39	1	0	0	0	0	2	1	2	16	7	10	0	73.3
Grant	69	2	0	0	1	2	2	3	6	13	16	24	0	73.1
Gray	47	0	0	0	1	0	2	0	3	9	11	21	0	78.3
Greeley	18	0	0	0	0	0	0	1	2	1	5	9	0	79.8
Greenwood	110	1	0	0	1	2	4	6	11	17	29	39	0	74.9
Hamilton	33	0	0	0	1	0	0	1	3	2	9	17	0	80.0
Harper	81	0	1	0	0	2	1	4	11	14	15	33	0	75.8
Harvey	392	3	0	0	4	1	7	16	38	47	107	169	0	78.2
Haskell	19	1	0	0	1	0	1	0	1	2	4	9	0	72.6
Hodgeman	11	0	0	0	0	0	0	0	0	2	1	8	0	86.5
Jackson	120	2	0	0	0	0	3	6	12	31	26	40	0	74.9
Jefferson	190	2	0	0	4	3	7	8	27	35	57	47	0	72.3
Jewell	40	0	0	0	0	0	0	2	4	4	14	16	0	80.0
Johnson	3,546	31	5	7	38	39	67	199	373	505	866	1,416	0	76.1
Kearny	46	0	0	0	3	0	2	4	7	7	8	15	0	70.2
Kingman	108	0	0	0	2	1	2	5	14	17	31	36	0	75.3
Kiowa	29	0	0	0	1	0	1	1	2	0	10	14	0	79.2
Labette	280	2	1	1	0	6	7	21	39	46	49	108	0	73.9
Lane	23	0	0	0	0	0	2	1	0	2	7	11	0	80.0
Leavenworth	557	2	0	2	5	13	19	42	96	97	140	141	0	71.4
Lincoln	35	0	0	0	1	0	1	3	4	3	7	16	0	76.5
Linn	127	2	0	0	0	1	3	4	15	28	35	39	0	74.7
Logan	34	0	0	0	0	0	0	1	0	6	12	15	0	82.2

Table 54
Deaths by Age-Group and Average Age at Death
by County of Residence
Kansas, 2012

County of Residence	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	n.s.	
Lyon	256	5	0	0	2	5	8	14	26	50	56	90	0	73.7
McPherson	364	2	0	0	4	6	4	15	33	41	90	169	0	78.7
Marion	153	0	0	0	2	0	1	7	19	22	40	62	0	78.0
Marshall	140	0	0	0	0	1	2	6	7	20	34	70	0	80.7
Meade	43	0	1	0	1	0	0	2	1	7	13	18	0	78.2
Miami	236	2	0	1	2	10	5	16	31	44	54	71	0	72.2
Mitchell	99	0	0	1	1	0	1	3	10	13	33	37	0	78.2
Montgomery	439	4	0	0	3	10	11	25	49	58	128	151	0	75.0
Morris	80	0	0	0	4	0	2	5	10	9	21	29	0	74.3
Morton	26	0	0	0	0	0	0	1	1	4	8	12	0	81.1
Nemaha	130	3	0	0	0	2	0	5	13	10	28	69	0	79.3
Neosho	187	3	0	0	2	0	2	10	30	24	52	64	0	74.8
Ness	38	1	0	0	1	0	0	1	5	6	8	16	0	76.7
Norton	57	1	0	0	0	1	0	3	4	10	18	20	0	77.2
Osage	169	1	0	0	0	1	2	11	24	30	45	55	0	75.5
Osborne	63	1	0	0	0	3	0	3	3	10	15	28	0	77.8
Ottawa	67	0	0	0	3	1	1	3	7	13	18	21	0	73.6
Pawnee	77	2	0	0	4	1	0	3	7	15	18	27	0	72.9
Phillips	67	1	0	0	0	0	0	6	6	6	18	30	0	77.5
Pottawatomie	165	1	0	1	3	0	4	12	16	25	38	65	0	76.0
Pratt	113	0	0	0	2	1	2	12	13	15	25	43	0	75.1
Rawlins	33	0	0	0	0	0	1	2	4	5	6	15	0	77.7
Reno	763	3	1	1	6	8	20	51	78	132	199	264	0	75.3
Republic	92	0	0	0	0	0	2	2	3	13	28	44	0	82.1
Rice	141	0	1	0	1	3	1	5	18	27	43	42	0	75.2
Riley	314	9	0	0	6	13	7	13	23	56	61	126	0	73.5
Rooks	65	0	0	0	3	2	1	6	6	9	11	27	0	73.7
Rush	55	0	0	0	1	1	1	2	6	3	10	31	0	79.3
Russell	103	0	0	1	0	2	3	7	12	13	28	37	0	75.3
Saline	534	3	3	2	5	8	17	44	70	72	145	165	0	73.0
Scott	67	1	1	2	1	2	0	2	2	10	17	29	0	74.7
Sedgwick	4,027	61	7	11	58	89	121	308	571	667	936	1,198	0	71.4
Seward	136	4	0	1	4	6	5	7	19	18	32	40	0	69.3
Shawnee	1,751	10	6	6	21	32	40	138	213	293	403	589	0	73.5
Sheridan	32	1	0	0	3	0	0	1	4	2	8	13	0	72.9
Sherman	63	1	1	0	0	0	1	5	5	10	19	21	0	74.2
Smith	63	1	0	0	0	1	0	2	5	8	18	28	0	79.2
Stafford	57	0	1	0	0	0	0	3	6	5	16	26	0	78.8
Stanton	21	0	0	0	0	0	2	3	1	2	7	6	0	72.0
Stevens	47	1	0	1	0	0	2	4	2	5	13	19	0	75.2
Sumner	271	2	0	0	4	5	10	13	26	48	60	103	0	75.2
Thomas	66	0	0	0	1	0	0	6	5	8	19	27	0	77.7
Trego	47	0	0	0	0	1	0	4	1	10	10	21	0	78.3
Wabaunsee	72	0	0	0	1	0	2	8	14	12	13	22	0	72.4
Wallace	17	0	0	1	0	0	0	0	0	3	7	6	0	78.4
Washington	71	0	0	0	0	0	1	1	4	11	30	24	0	80.5
Wichita	26	1	0	0	1	0	0	1	1	4	7	11	0	74.4
Wilson	138	0	0	0	1	1	4	7	17	22	36	50	0	76.3
Woodson	50	0	0	0	0	1	0	5	5	10	10	19	0	76.3
Wyandotte	1,351	24	2	4	25	37	44	135	202	253	302	323	0	69.0
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	n/a	

Table 55
Deaths by Population Group
by County of Residence
Kansas, 2012

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Kansas	25,084	22,549	1,234	180	152	234	695	40
Allen	183	175	1	1	0	1	5	0
Anderson	96	94	0	0	1	0	1	0
Atchison	161	150	7	1	0	2	1	0
Barber	67	67	0	0	0	0	0	0
Barton	307	293	1	2	1	6	4	0
Bourbon	179	172	5	0	1	0	1	0
Brown	127	111	3	11	0	1	1	0
Butler	622	593	9	3	0	11	5	1
Chase	29	28	0	0	0	1	0	0
Chautauqua	52	48	0	3	0	0	0	1
Cherokee	270	267	1	1	0	0	1	0
Cheyenne	43	43	0	0	0	0	0	0
Clark	30	29	0	1	0	0	0	0
Clay	89	89	0	0	0	0	0	0
Cloud	131	127	0	0	1	0	3	0
Coffey	102	101	0	0	0	0	1	0
Comanche	23	23	0	0	0	0	0	0
Cowley	408	373	10	11	3	5	6	0
Crawford	418	404	4	2	0	4	3	1
Decatur	59	58	0	0	0	0	1	0
Dickinson	260	249	2	2	1	3	3	0
Doniphan	72	68	2	2	0	0	0	0
Douglas	645	608	9	8	6	6	8	0
Edwards	45	41	0	0	1	0	3	0
Elk	42	42	0	0	0	0	0	0
Ellis	259	254	0	0	0	1	3	1
Ellsworth	69	68	0	0	0	0	1	0
Finney	199	146	4	1	3	1	44	0
Ford	218	178	1	2	0	2	35	0
Franklin	251	240	3	3	0	2	3	0
Geary	198	145	39	1	8	1	4	0
Gove	34	34	0	0	0	0	0	0
Graham	39	33	4	0	0	1	1	0
Grant	69	59	0	1	0	0	9	0
Gray	47	47	0	0	0	0	0	0
Greeley	18	17	0	0	0	0	1	0
Greenwood	110	108	0	2	0	0	0	0
Hamilton	33	31	0	0	0	0	2	0
Harper	81	78	0	1	0	0	2	0
Harvey	392	371	4	0	3	2	12	0
Haskell	19	17	0	0	0	0	2	0
Hodgeman	11	11	0	0	0	0	0	0
Jackson	120	106	0	13	0	1	0	0
Jefferson	190	186	2	0	0	0	2	0
Jewell	40	39	0	1	0	0	0	0
Johnson	3,546	3,335	75	11	36	26	56	7
Kearny	46	41	0	2	0	0	3	0
Kingman	108	107	0	0	0	0	1	0
Kiowa	29	29	0	0	0	0	0	0
Labette	280	259	13	1	1	0	6	0
Lane	23	21	0	0	0	0	2	0
Leavenworth	557	492	46	0	4	5	10	0
Lincoln	35	35	0	0	0	0	0	0
Linn	127	126	0	0	0	1	0	0
Logan	34	34	0	0	0	0	0	0

Table 55
Deaths by Population Group
by County of Residence
Kansas, 2012

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	n.s.
Lyon	256	235	3	4	2	2	9	1
McPherson	364	356	1	0	1	1	5	0
Marion	153	147	0	3	0	1	2	0
Marshall	140	138	0	0	0	0	2	0
Meade	43	39	0	2	0	0	2	0
Miami	236	229	4	0	1	1	1	0
Mitchell	99	97	0	1	0	1	0	0
Montgomery	439	399	28	2	0	4	4	2
Morris	80	79	1	0	0	0	0	0
Morton	26	24	0	0	0	0	1	1
Nemaha	130	129	0	1	0	0	0	0
Neosho	187	175	3	2	1	0	6	0
Ness	38	38	0	0	0	0	0	0
Norton	57	57	0	0	0	0	0	0
Osage	169	163	0	1	0	2	3	0
Osborne	63	63	0	0	0	0	0	0
Ottawa	67	64	0	1	0	1	1	0
Pawnee	77	76	1	0	0	0	0	0
Phillips	67	67	0	0	0	0	0	0
Pottawatomie	165	158	0	0	0	3	3	1
Pratt	113	108	1	2	0	1	1	0
Rawlins	33	32	1	0	0	0	0	0
Reno	763	692	17	4	1	25	24	0
Republic	92	92	0	0	0	0	0	0
Rice	141	136	0	0	0	1	4	0
Riley	314	284	18	0	2	3	6	1
Rooks	65	65	0	0	0	0	0	0
Rush	55	53	0	0	0	0	2	0
Russell	103	100	0	0	0	0	3	0
Saline	534	491	15	3	3	5	17	0
Scott	67	66	0	0	0	0	1	0
Sedgwick	4,027	3,352	351	43	50	61	157	13
Seward	136	96	6	0	1	5	28	0
Shawnee	1,751	1,502	148	21	9	13	56	2
Sheridan	32	31	0	0	0	0	1	0
Sherman	63	59	0	1	0	0	3	0
Smith	63	63	0	0	0	0	0	0
Stafford	57	57	0	0	0	0	0	0
Stanton	21	16	0	0	0	0	5	0
Stevens	47	42	0	0	0	0	2	3
Sumner	271	258	2	0	0	5	6	0
Thomas	66	66	0	0	0	0	0	0
Trego	47	47	0	0	0	0	0	0
Wabaunsee	72	70	2	0	0	0	0	0
Wallace	17	17	0	0	0	0	0	0
Washington	71	71	0	0	0	0	0	0
Wichita	26	22	0	0	0	1	3	0
Wilson	138	136	0	0	1	1	0	0
Woodson	50	49	1	0	0	0	0	0
Wyandotte	1,351	843	386	2	10	14	91	5
n.s.	0	0	0	0	0	0	0	0

*Includes selection of two or more races or other non-specified race

Table 56
Deaths by Population Group and Sex, by Age-Group and Average Age at Death
Kansas, 2012

Population Group	Total	Age-Group												n.s.	Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over			
All Races	25,084	254	42	53	301	408	610	1,603	2,978	3,991	6,111	8,733	0	74.1	
Male	12,421	143	20	32	225	296	357	955	1,823	2,267	3,065	3,238	0	70.7	
Female	12,663	111	22	21	76	112	253	648	1,155	1,724	3,046	5,495	0	77.5	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
White Non-Hispanic	22,549	145	28	37	224	315	473	1,320	2,547	3,573	5,618	8,269	0	75.4	
Male	11,091	84	12	22	164	223	273	784	1,557	2,046	2,840	3,086	0	72.1	
Female	11,458	61	16	15	60	92	200	536	990	1,527	2,778	5,183	0	78.5	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
Black Non-Hispanic	1,234	38	3	4	31	45	54	147	243	209	239	221	0	64.5	
Male.	636	21	2	4	24	36	31	85	140	115	112	66	0	60.3	
Female	598	17	1	0	7	9	23	62	103	94	127	155	0	69.0	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
Native American															
Non-Hispanic	180	1	0	1	6	6	5	21	32	39	34	35	0	66.8	
Male	99	0	0	0	6	1	4	14	25	20	13	16	0	63.9	
Female	81	1	0	1	0	5	1	7	7	19	21	19	0	70.5	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
Asian/Pacific															
Non-Hispanic	152	3	1	1	2	5	12	9	25	24	40	30	0	67.5	
Male.	67	1	0	1	2	5	7	6	17	8	12	8	0	60.2	
Female	85	2	1	0	0	0	5	3	8	16	28	22	0	73.3	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
Other Non-Hispanic*	234	11	3	3	7	7	14	12	37	41	58	41	0	64.0	
Male	115	6	2	1	5	5	8	5	22	25	27	9	0	59.8	
Female	119	5	1	2	2	2	6	7	15	16	31	32	0	68.0	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
Hispanic Any Race	695	54	7	7	30	30	50	80	88	97	118	134	0	58.9	
Male	387	30	4	4	24	26	33	51	57	48	58	52	0	54.7	
Female	308	24	3	3	6	4	17	29	31	49	60	82	0	64.3	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	
Not Stated	40	2	0	0	1	0	2	14	6	8	4	3	0	n/a	
Male	26	1	0	0	0	0	1	10	5	5	3	1	0	n/a	
Female	14	1	0	0	1	0	1	4	1	3	1	2	0	n/a	
n.s.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	

* Includes selection of two or more races or other non-specified race

Table 57
Ten Leading Causes of Death by Sex, Population Group of Decedent
Kansas, 2012

Population Group	Total	Causes of Death										
		Malignant Neoplasms	Heart Disease	Chronic Lower Respiratory Diseases	Cerebro-vascular Disease	Unintentional Injuries	Alzheimer's Disease	Diabetes Mellitus	Pneumonia and Influenza	Nephritis, Nephrotic Syndrome, Nephrosis	Suicide	All Other Causes
Total	25,084	5,406	5,314	1,680	1,331	1,304	788	633	621	599	505	6,903
White Non-Hispanic	22,549	4,879	4,850	1,579	1,203	1,133	751	536	580	516	443	6,079
Black Non-Hispanic	1,234	262	247	50	67	61	21	49	17	33	17	410
Native American												
Non-Hispanic	180	42	27	21	4	10	1	10	3	7	4	51
Asian/Pacific												
Non-Hispanic	152	42	24	5	17	8	2	2	2	6	3	41
Other Non-Hispanic*	234	44	48	12	12	16	3	8	7	12	6	66
Hispanic Any Race	695	132	115	13	26	73	9	27	11	25	31	233
Not Stated	40	5	3	0	2	3	1	1	1	0	1	23
Male	12,421	2,787	2,798	830	520	792	264	312	282	290	413	3,133
White Non-Hispanic	11,091	2,525	2,542	785	468	671	255	271	261	251	358	2,704
Black Non-Hispanic	636	127	136	25	23	41	5	22	10	18	15	214
Native American												
Non-Hispanic	99	25	18	9	3	5	0	5	2	4	4	24
Asian/Pacific												
Non-Hispanic	67	20	11	2	5	5	0	0	0	3	3	18
Other Non-Hispanic*	115	23	28	5	2	11	1	5	4	3	6	27
Hispanic Any Race	387	63	63	4	17	57	2	8	5	11	26	131
Not Stated	26	4	0	0	2	2	1	1	0	0	1	15
Female	12,663	2,619	2,516	850	811	512	524	321	339	309	92	3,770
White Non-Hispanic	11,458	2,354	2,308	794	735	462	496	265	319	265	85	3,375
Black Non-Hispanic	598	135	111	25	44	20	16	27	7	15	2	196
Native American												
Non-Hispanic	81	17	9	12	1	5	1	5	1	3	0	27
Asian/Pacific												
Non-Hispanic	85	22	13	3	12	3	2	2	2	3	0	23
Other Non-Hispanic*	119	21	20	7	10	5	2	3	3	9	0	39
Hispanic Any Race	308	69	52	9	9	16	7	19	6	14	5	102
Not Stated	14	1	3	0	0	1	0	0	1	0	0	8
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0

* Includes selection of two or more races or other non-specified race

Table 58
Selected Causes of Death by Age-Group
and Average Age at Death
Kansas, 2012

Selected Causes of Death (ICD-10 Code)	Total	Age-Group												Average Age at Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	n.s.	
All Causes	25,084	254	42	53	301	408	610	1,603	2,978	3,991	6,111	8,733	0	74.1
Selected Causes	19,291	69	28	41	260	331	510	1,288	2,404	3,276	4,763	6,321	0	n.a.
Tuberculosis (A16-A19)	3	0	0	0	0	0	0	1	1	0	1	0	0	62.7
HIV/AIDS (B20-B24)	24	0	0	0	0	1	3	12	5	3	0	0	0	52.0
Malignant Neoplasms (C00-C97)	5,406	0	3	11	16	25	110	436	994	1,389	1,459	963	0	71.4
Diabetes mellitus (E10-E14)	633	0	0	0	3	5	21	53	97	134	148	172	0	72.7
Alzheimer's Disease (G30)	788	0	0	0	0	0	0	1	14	39	233	501	0	86.2
Prim. Hypertension/Hypertensive Renal Dis. and Sec. Hypertension (I10, I12, I15)	159	0	0	0	0	2	0	9	15	19	29	85	0	80.4
Heart Disease (I00-I09, I11, I13, I20-I51)	5,314	4	2	0	8	26	76	286	580	768	1,271	2,293	0	78.5
Cerebrovascular Disease (I60-I69)	1,331	1	0	0	1	1	15	39	99	165	363	647	0	81.1
Atherosclerosis (I70)	459	0	0	0	0	0	1	5	22	39	118	274	0	84.4
Pneumonia and Influenza (J09-J18)	621	0	1	0	0	4	10	9	41	52	156	348	0	82.7
Chronic Lower Respiratory Diseases (J40-J47)	1,680	0	0	0	1	4	9	61	192	371	576	466	0	76.7
Peptic Ulcer (K25-K28)	22	0	0	0	0	0	2	2	4	3	4	7	0	71.5
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	245	0	0	0	0	8	16	56	83	44	24	14	0	60.5
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)	599	1	0	0	1	3	3	16	46	93	168	268	0	80.2
Congenital Anomalies (Q00-Q99)	88	51	2	3	4	3	1	8	10	3	3	0	0	19.0
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,304	10	18	20	122	137	137	167	127	115	183	268	0	57.6
Suicide (U03, X60-X84, Y87.0)	505	0	0	5	79	87	80	110	70	36	24	14	0	44.6
Homicide (U01-U02, X85-Y09, Y87.1)	110	2	2	2	25	25	26	17	4	3	3	1	0	35.5

Table 59
 Ten Leading Causes of Death by Sex,
 Number, Rate and Average Age at Death
 Kansas, 2012

Leading Causes of Death (ICD-10 Code)	Number of Deaths				Cause-Specific Death Rate*			Average Age at Death		
	Total	Male	Female	n.s.	Total	Male	Female	Total	Male	Female
All Causes	25,084	12,421	12,663	0	869.2	865.4	872.9	74.1	70.7	77.5
Malignant Neoplasms (C00-C97)	5,406	2,787	2,619	0	187.3	194.2	180.5	71.4	70.7	72.1
Heart Disease (I00-I09, I11, I13, I20-I51)	5,314	2,798	2,516	0	184.1	194.9	173.4	78.5	75.2	82.0
Chronic Lower Respiratory Diseases (J40-J47)	1,680	830	850	0	58.2	57.8	58.6	76.7	76.8	76.6
Cerebrovascular Disease (I60-I69)	1,331	520	811	0	46.1	36.2	55.9	81.1	77.5	83.4
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,304	792	512	0	45.2	55.2	35.3	57.6	53.1	64.4
Alzheimer's Disease (G30)	788	264	524	0	27.3	18.4	36.1	86.2	84.0	87.3
Diabetes mellitus (E10-E14)	633	312	321	0	21.9	21.7	22.1	72.7	70.8	74.6
Pneumonia and Influenza (J09-J18)	621	282	339	0	21.5	19.6	23.4	82.7	80.6	84.4
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)	599	290	309	0	20.8	20.2	21.3	80.2	78.4	81.9
Suicide (U03, X60-X84, Y87.0)	505	413	92	0	17.5	28.8	6.3	44.6	44.8	43.5

*Rate per 100,000 population

Note: Rates are based US Census Bureau population estimates for 2012.

Table 60
Death Rates, Age-Adjusted Death Rates and 95% Confidence Intervals
for Selected Leading Causes of Death
Kansas, 2011-2012

Cause of Death (ICD-10 Code)	2011					2012				
	Number	Death Rate*	Age-Adjusted Death Rate†	CI (95%)‡		Number	Death Rate*	Age-Adjusted Death Rate†	CI (95%)‡	
				Lower	Upper				Lower	Upper
All Causes	25,114	874.6	767.1	757.5	776.7	25,084	869.2	759.0	749.5	768.5
Malignant Neoplasms (C00-C97)	5,423	188.9	169.7	165.1	174.3	5,406	187.3	167.5	163.0	172.0
Heart Disease (I00-I09, I11, I13, I20-I51)	5,321	185.3	158.0	153.6	162.3	5,314	184.1	156.5	152.2	160.8
Chronic Lower Respiratory Diseases (J40-J47)	1,654	57.6	51.6	49.1	54.1	1,680	58.2	51.6	49.1	54.1
Cerebrovascular Disease (I60-I69)	1,333	46.4	39.5	37.3	41.7	1,331	46.1	39.0	36.9	41.1
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,358	47.3	44.6	42.2	47.0	1,304	45.2	42.9	40.5	45.3
Alzheimer's Disease (G30)	794	27.7	22.6	21.0	24.2	788	27.3	22.5	20.9	24.1
Diabetes mellitus (E10-E14)	708	24.7	22.0	20.4	23.6	633	21.9	19.4	17.9	20.9
Pneumonia and Influenza (J09-J18)	641	22.3	18.6	17.1	20.1	621	21.5	17.9	16.5	19.3
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)	577	20.1	17.5	16.1	18.9	599	20.8	17.7	16.3	19.1
Suicide (U03, X60-X84, Y87.0)	384	13.4	13.4	12.0	14.8	505	17.5	17.6	16.0	19.2
Atherosclerosis (I70)	342	11.9	9.9	8.8	11.0	459	15.9	13.1	11.9	14.3
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	254	8.8	8.3	7.3	9.3	245	8.5	7.7	6.7	8.7
Prim. Hypertension/Hypertensive Renal Disease and Sec. Hypertension (I10, I12, I15)	155	5.4	4.5	3.8	5.2	159	5.5	4.5	3.8	5.2
Certain Conditions Originating in the Perinatal Period (P00-P96)	110	3.8	3.8	3.1	4.5	123	4.3	4.3	3.5	5.1
Homicide (U01-U02, X85-Y09, Y87.1)	120	4.2	4.3	3.5	6.1	110	3.8	4.1	3.3	4.9
Congenital Anomalies (Q00-Q99)	91	3.2	3.1	2.6	3.9	88	3.0	3.0	2.4	3.6

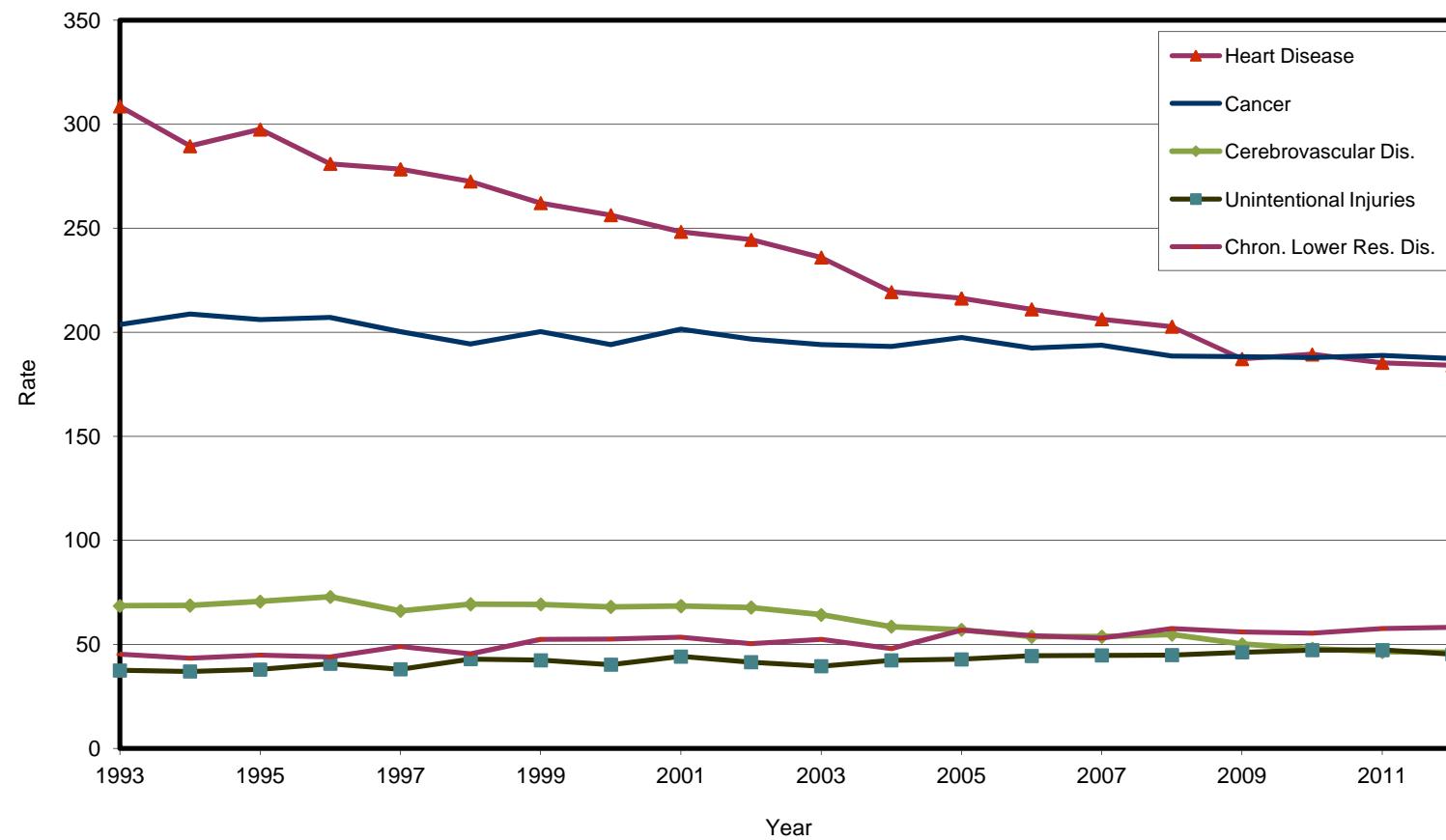
*Rate per 100,000 population

†Rate per 100,000 standard U.S. 2000 population (see Technical Notes)

‡CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes

In 2011, two deaths for which age of decedent could not be determined were not included in this analysis.

**Death Rates for Selected
Leading Causes of Death**
Kansas, 1993-2012



Rate per 100,000 Population

Figure 31

Leading Causes of Death by Age-Group
Kansas, 2012

ALL AGES	
CAUSE	NUMBER
CANCER	5,406
HEART DISEASE	5,314
CHRON. LOWER RESP. DIS.	1,680
CEREBROVASC. DIS.	1,331
UNINTENTIONAL INJURIES	1,304
OTHER CAUSES	10,049
TOTAL	25,084

UNDER 1 YEAR	
CAUSE	NUMBER
LENGTH GEST./FETAL GROWTH	58
CONGENITAL ANOMALIES	51
SIDS	24
MATERNAL FACTORS & COMPL.	20
UNINTENTIONAL INJURIES	10
OTHER CAUSES	91
TOTAL	254

1-4 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	18
CANCER	3
HEART DISEASE	2
CONGENITAL ANOMALIES	2
HOMICIDE	2
OTHER CAUSES	15
TOTAL	42

5-14 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	20
CANCER	11
SUICIDE	5
CONGENITAL ANOMALIES	3
HOMICIDE	2
OTHER CAUSES	12
TOTAL	53

15-24 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	122
SUICIDE	79
HOMICIDE	25
CANCER	16
HEART DISEASE	8
OTHER CAUSES	51
TOTAL	301

25-44 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	274
SUICIDE	167
CANCER	135
HEART DISEASE	102
HOMICIDE	51
OTHER CAUSES	289
TOTAL	1,018

45-64 YEARS	
CAUSE	NUMBER
CANCER	1,431
HEART DISEASE	866
UNINTENTIONAL INJURIES	294
CHRON. LOWER RESP. DIS.	253
SUICIDE	180
OTHER CAUSES	1,557
TOTAL	4,581

65-84 YEARS	
CAUSE	NUMBER
CANCER	2,848
HEART DISEASE	2,039
CHRON. LOWER RESP. DIS.	947
CEREBROVASC. DIS.	528
UNINTENTIONAL INJURIES	298
OTHER CAUSES	3,442
TOTAL	10,102

85 YEARS AND OVER	
CAUSE	NUMBER
HEART DISEASE	2,293
CANCER	963
CEREBROVASC. DIS.	647
ALZHEIMER'S DISEASE	501
CHRON. LOWER RESP. DIS.	466
OTHER CAUSES	3,863
TOTAL	8,733

Figure 32

Table 61
Heart Disease Deaths by Age-Group and Sex of Decedent
Kansas, 2012

Causes of Death and Sex of Decedent (ICD Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	n.s.
Heart Disease (I00-I09, I11, I13, I20-I51)	5,314	4	2	0	8	26	76	286	580	768	1,271	2,293	0
Male	2,798	1	1	0	5	22	47	188	418	500	689	927	0
Female	2,516	3	1	0	3	4	29	98	162	268	582	1,366	0
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (I00-I09)	28	0	0	0	0	0	0	0	8	6	5	9	0
Male	10	0	0	0	0	0	0	0	4	0	1	5	0
Female	18	0	0	0	0	0	0	0	4	6	4	4	0
Hypertensive Heart Disease with or without Renal Disease (I11, I13)	140	0	0	0	0	2	3	7	10	9	33	76	0
Male	51	0	0	0	0	2	1	4	8	6	13	17	0
Female	89	0	0	0	0	0	2	3	2	3	20	59	0
Ischemic Heart Disease (I20-I25)	2,990	0	0	0	0	14	36	188	390	485	735	1,142	0
Male	1,766	0	0	0	0	13	26	132	296	346	446	507	0
Female	1,224	0	0	0	0	1	10	56	94	139	289	635	0
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	182	1	0	0	0	4	7	13	32	35	38	52	0
Male	77	1	0	0	0	2	4	6	17	13	15	19	0
Female	105	0	0	0	0	2	3	7	15	22	23	33	0
Other Forms of Heart Disease (I30-I51)	1,974	3	2	0	8	6	30	78	140	233	460	1,014	0
Male	894	0	1	0	5	5	16	46	93	135	214	379	0
Female	1,080	3	1	0	3	1	14	32	47	98	246	635	0

Table 62
Malignant Neoplasm Deaths
by Site of Lesion, Age-Group and Sex of Decedent
Kansas, 2012

Site of Lesion and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Malignant Neoplasms (All Sites)												
(C00-C97)	5,406	0	3	11	16	25	110	436	994	1,389	1,459	963
Male	2,787	0	0	9	8	15	50	216	562	758	732	437
Female	2,619	0	3	2	8	10	60	220	432	631	727	526
Lip, Oral Cavity and Pharynx												
(C00-C14)	68	0	0	0	0	0	3	12	15	16	15	7
Male	52	0	0	0	0	0	3	11	14	11	10	3
Female	16	0	0	0	0	0	0	1	1	5	5	4
Digestive Organs												
(C15-C26)	1,288	0	0	1	0	4	32	119	259	338	314	221
Male	714	0	0	1	0	3	18	73	170	200	164	85
Female	574	0	0	0	0	1	14	46	89	138	150	136
Respiratory and Intrathoracic Organs												
(C30-C39)	1,537	0	0	0	2	5	11	105	323	457	426	208
Male	829	0	0	0	2	3	6	56	185	254	221	102
Female	708	0	0	0	0	2	5	49	138	203	205	106
Bone and Articular Cartilage												
(C40-C41)	10	0	0	1	1	1	0	1	0	1	2	3
Male	5	0	0	0	0	1	0	1	0	0	0	3
Female	5	0	0	1	1	0	0	0	0	1	2	0
Skin												
(C43-C44)	127	0	0	0	1	3	7	7	20	29	32	28
Male	87	0	0	0	0	3	4	4	13	19	27	17
Female	40	0	0	0	1	0	3	3	7	10	5	11
Mesothelial and Soft Tissue												
(C45-C49)	83	0	0	1	1	1	2	12	11	20	22	13
Male	55	0	0	1	0	1	1	7	9	15	16	5
Female	28	0	0	0	1	0	1	5	2	5	6	8
Breast												
(C50)	400	0	0	0	0	1	18	58	69	84	103	67
Male	4	0	0	0	0	0	0	0	1	3	0	0
Female	396	0	0	0	0	1	18	58	68	81	103	67
Genital Organs												
(C51-C63)	500	0	0	1	1	1	10	32	77	114	133	131
Male	235	0	0	0	0	0	0	6	21	47	78	83
Female	265	0	0	1	1	1	10	26	56	67	55	48
Urinary Tract												
(C64-C68)	287	0	0	0	1	0	4	18	43	75	76	70
Male	204	0	0	0	0	0	3	11	36	58	48	48
Female	83	0	0	0	1	0	1	7	7	17	28	22
Eye and Adnexa												
(C69)	2	0	0	0	0	0	0	1	1	0	0	0
Male	1	0	0	0	0	0	0	0	1	0	0	0
Female	1	0	0	0	0	0	0	1	0	0	0	0
Meninges, Brain and Other Parts of Central Nervous System												
(C70-C72)	174	0	1	3	4	2	5	18	43	48	35	15
Male	105	0	0	3	3	1	3	10	27	30	21	7
Female	69	0	1	0	1	1	2	8	16	18	14	8
Thyroid and Other Endocrine Glands												
(C73-C75)	18	0	0	0	0	0	0	2	3	5	4	4
Male	9	0	0	0	0	0	0	1	3	1	2	2
Female	9	0	0	0	0	0	0	1	0	4	2	2
Other and Unspecified Sites												
(C76-C80, C97)	350	0	0	0	1	1	7	24	73	75	114	55
Male	168	0	0	0	1	0	3	16	47	40	44	17
Female	182	0	0	0	0	1	4	8	26	35	70	38
Leukemia												
(C91-C95)	249	0	2	2	3	5	6	13	23	64	76	55
Male	148	0	0	2	1	2	5	8	16	42	44	28
Female	101	0	2	0	2	3	1	5	7	22	32	27
Other Lymphoid, Hematopoietic and Related Tissue												
(C81-C90, C96)	313	0	0	2	1	1	5	14	34	63	107	86
Male	171	0	0	2	1	1	4	12	19	38	57	37
Female	142	0	0	0	0	0	1	2	15	25	50	49

Table 63
 Cerebrovascular Disease Deaths by Age-Group and Sex of Decedent
 Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (I60-I69)	1,331	1	0	0	1	1	15	39	99	165	363	647
Male	520	1	0	0	1	1	9	26	52	86	155	189
Female	811	0	0	0	0	0	6	13	47	79	208	458
Subarachnoid Hemorrhage (I60)	40	0	0	0	0	0	2	7	10	5	14	2
Male	14	0	0	0	0	0	1	2	6	2	2	1
Female	26	0	0	0	0	0	1	5	4	3	12	1
Intracerebral and Other Intracranial Hemorrhage (I61-I62)	250	1	0	0	0	1	8	17	22	52	73	76
Male	125	1	0	0	0	1	4	11	12	25	39	32
Female	125	0	0	0	0	0	4	6	10	27	34	44
Cerebral Infarction (I63)	39	0	0	0	0	0	1	0	4	4	13	17
Male	15	0	0	0	0	0	1	0	1	2	5	6
Female	24	0	0	0	0	0	0	0	3	2	8	11
Stroke, Not Specified as Hemorrhage or Infarction (I64)	779	0	0	0	1	0	4	13	51	90	206	414
Male	276	0	0	0	1	0	3	11	26	49	82	104
Female	503	0	0	0	0	0	1	2	25	41	124	310
Other Cerebrovascular Diseases (I67, I69)	223	0	0	0	0	0	0	2	12	14	57	138
Male	90	0	0	0	0	0	0	2	7	8	27	46
Female	133	0	0	0	0	0	0	0	5	6	30	92

Table 64
Unintentional Injury Deaths by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,304	10	18	20	122	137	137	167	127	115	183	268
Male	792	5	10	10	92	105	87	109	95	77	101	101
Female	512	5	8	10	30	32	50	58	32	38	82	167
Motor-Vehicle (*)	410	1	8	11	88	60	49	50	41	39	38	25
Male	294	0	4	6	63	47	35	38	35	26	29	11
Female	116	1	4	5	25	13	14	12	6	13	9	14
Traffic (*) ^a	390	1	7	10	84	59	46	49	39	39	34	22
Male	281	0	4	6	59	46	33	38	33	26	25	11
Female	109	1	3	4	25	13	13	11	6	13	9	11
Non-Traffic (*) ^b	20	0	1	1	4	1	3	1	2	0	4	3
Male	13	0	0	0	4	1	2	0	2	0	4	0
Female	7	0	1	1	0	0	1	1	0	0	0	3
Water Transport (V90-V94)	1	0	0	0	0	1	0	0	0	0	0	0
Male	1	0	0	0	0	1	0	0	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0
Air and Space Transport (V95-V97)	2	0	0	0	0	0	0	2	0	0	0	0
Male	2	0	0	0	0	0	0	2	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0
Falls (W00-W19)	338	0	0	0	1	2	3	13	16	32	94	177
Male	147	0	0	0	1	2	2	7	9	19	40	67
Female	191	0	0	0	0	0	1	6	7	13	54	110
Inanimate Mechanical Forces (W20-W49)	32	0	1	0	2	3	5	5	5	3	7	1
Male	28	0	0	0	2	3	5	4	5	3	6	0
Female	4	0	1	0	0	0	0	1	0	0	1	1
Drowning and Submersion (W65-W74)	21	0	4	3	1	3	3	4	2	0	1	0
Male	16	0	3	1	1	2	2	4	2	0	1	0
Female	5	0	1	2	0	1	1	0	0	0	0	0
Other Accidental Threats to Breathing (W75-W84)	78	9	1	1	0	4	3	5	6	17	11	21
Male	48	5	1	1	0	3	2	4	6	10	7	9
Female	30	4	0	0	0	1	1	1	0	7	4	12

Table 64
Unintentional Injury Deaths by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Electric Current, Radiation and Air Temperature/Pressure (W85-W99)	1	0	0	0	1	0	0	0	0	0	0	0
Male	1	0	0	0	1	0	0	0	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0
Smoke, Fire and Flames (X00-X09)	29	0	3	3	2	2	2	8	3	6	0	0
Male	18	0	2	0	1	1	2	4	2	6	0	0
Female	11	0	1	3	1	1	0	4	1	0	0	0
Forces of Nature (X30-X39)	16	0	0	0	0	1	3	4	2	2	2	2
Male	12	0	0	0	0	1	1	3	2	2	1	2
Female	4	0	0	0	0	0	2	1	0	0	1	0
Poisonings (X40-X49)	245	0	0	1	25	57	63	65	27	4	1	2
Male	157	0	0	1	22	42	36	38	15	2	0	1
Female	88	0	0	0	3	15	27	27	12	2	1	1
Other Unintentional Injuries (†)	109	0	1	1	1	3	4	9	19	10	23	38
Male	56	0	0	1	1	2	2	5	14	8	12	11
Female	53	0	1	0	0	1	2	4	5	2	11	27
Complications of Medical and Surgical Care (§)	22	0	0	0	1	1	2	2	6	2	6	2
Male	12	0	0	0	0	1	0	0	5	1	5	0
Female	10	0	0	0	1	0	2	2	1	1	1	2

* V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

*a V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2

*b V02-V04 (.0), V09.0, V12-V14 (.0-.2), V19 (.0-.3), V20-V28 (.0-.2), V29-V79 (.0-.3), V81.0, V82.0, V83-V86 (.4-.9), V88 (.0-.8), V89.0

† V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V98-V99, W50-W64, X10-X29, X50-X59, Y85-Y86

§ Y40-Y84, Y88

Table 65
Selected External Cause of Deaths
by Injury Matrix Groups and Intent,
Kansas, 2012*

Cause Group (ICD-10 codes)	Total	Unintentional	Suicide	Homicide	Undetermined	Legal/War
Total	1,934	1,282	505	110	36	1
Cut/Pierce (W25–W29, W45, X78, X99, Y28, Y35.4)	12	2	2	8	0	0
Drowning (W65–W74, X71, X92, Y21)	25	21	2	1	1	0
Falls (W00–W19, X80, Y01, Y30)	343	338	5	0	0	0
Fire/flame (X00–X09, X76, X97, Y26)	32	29	2	0	1	0
Hot Object/Scalding (X10–X19, X77, X98, Y27)	0	0	0	0	0	0
Firearm (U01.4,W32–W34,X72–X74, X93–X95,Y22–Y24,Y35.0)	374	2	297	70	4	1
Machinery (W24, W30–W31)	15	15	0	0	0	0
Motor Vehicle Traffic†	390	390	0	0	0	0
Other Pedal Cyclist (V10–V11, [V12–V14](.0–.2), V15–V18, V19(.0–.3,.8,.9))	3	3	0	0	0	0
Other Pedestrian (V01, [V02–V04](.0), V05, V06, V09(.0–.1,.3,.9))	12	12	0	0	0	0
Other Land Transport‡	20	14	3	3	0	0
Other Transport (U01.1,V90–V99,Y36.1)	3	3	0	0	0	0
Natural/Environmental (W42–W43, W53–W64, W92– W99, X20–X39,X51–X57)	18	18	0	0	0	0
Overexertion (X50)	0	0	0	0	0	0
Poisoning (U01(.6–.7), X40–X49, X60–X69, X85–X90, Y10–Y19, Y35.2)	336	245	69	0	22	0
Struck By/Against (W20–W22,W50–W52,X79,Y00, Y04,Y29,Y35.3)	10	9	0	1	0	0
Suffocation (W75–W84,X70,X91,Y20)	196	78	113	4	1	0
Other Specified§	18	12	4	1	1	0
NEC (U01.8,*U02,X58,X83,Y08,Y33, Y35.6,Y86–Y87,Y89(.0–.1))	14	10	0	4	0	0
Not Specified (U01.9, *U03.9, X59, X84,Y09, Y34, Y35.7, Y36.9, Y89.9)	113	81	8	18	6	0

*Adverse effects of drugs or medical care are excluded.

†[V02–V04](.1,.9), V09.2, [V12–V14](.3–.9), V19(.4–.6), [V20–V28](.3–.9), [V29–V79](.4–.9), V80(.3–.5),V81.1, V82.1,
[V83–V86](.0–.3),V87(.0–.8), V89.2

‡[V20–V28](.0–.2), [V29–V79](.0–.3), V80(.0–.2,.6–.9), [V81–V82](.0,.2–.9), [V83–V86](.4–.9), V87.9,V88(.0–.9), V89(.0,.1,.3,.9),
X82, Y03, Y32
Y36(.0.,2.,4–.8), Y85

NEC = Not Elsewhere Classified

Table 66
Selected Chronic Disease Deaths by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total	3,797	1	0	0	5	22	52	202	459	703	1,067	1,286
Male	1,857	1	0	0	3	11	31	119	251	376	556	509
Female	1,940	0	0	0	2	11	21	83	208	327	511	777
Diabetes mellitus (E10-E14)	633	0	0	0	3	5	21	53	97	134	148	172
Male	312	0	0	0	2	1	13	32	50	76	73	65
Female	321	0	0	0	1	4	8	21	47	58	75	107
Primary Hypertension/Hypertensive Renal Dis. and Secondary. Hypertension (I10, I12, I15)	159	0	0	0	0	2	0	9	15	19	29	85
Male	60	0	0	0	0	2	0	6	11	8	12	21
Female	99	0	0	0	0	0	0	3	4	11	17	64
Atherosclerosis (I70)	459	0	0	0	0	0	1	5	22	39	118	274
Male	184	0	0	0	0	0	1	3	17	21	51	91
Female	275	0	0	0	0	0	0	2	5	18	67	183
Chronic Lower Respiratory Diseases (J40-J47)	1,680	0	0	0	1	4	9	61	192	371	576	466
Male	830	0	0	0	1	1	4	25	88	186	310	215
Female	850	0	0	0	0	3	5	36	104	185	266	251
Peptic Ulcer (K25-K28)	22	0	0	0	0	0	2	2	4	3	4	7
Male	17	0	0	0	0	0	2	2	4	2	4	3
Female	5	0	0	0	0	0	0	0	0	1	0	4
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	245	0	0	0	0	8	16	56	83	44	24	14
Male	164	0	0	0	0	4	9	41	60	26	15	9
Female	81	0	0	0	0	4	7	15	23	18	9	5
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	599	1	0	0	1	3	3	16	46	93	168	268
Male	290	1	0	0	0	3	2	10	21	57	91	105
Female	309	0	0	0	1	0	1	6	25	36	77	163

Table 67
 Deaths by Occupation of Decedent* by
 Selected Causes of Death
 Kansas, 2012

Occupation of Decedent	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hyper-tension	All Other Causes
Total	25,084	5,314	5,406	1,331	1,304	1,680	505	459	245	110	22	159	8,549
Management	2,919	706	686	156	123	195	51	46	24	4	3	19	906
Business and Financial Operations	700	137	209	31	21	36	16	15	2	3	0	2	228
Computer and Mathematical	150	23	41	4	8	6	12	4	6	1	0	2	43
Architecture and Engineering	442	101	93	28	20	24	13	9	7	0	0	5	142
Life, Physical, and Social Services	112	26	28	6	7	8	1	1	0	0	0	0	35
Community and Social Services	294	67	68	14	6	21	6	4	3	1	0	4	100
Legal	107	19	33	8	5	9	2	3	3	0	0	1	24
Education, Training, and Library	1,095	222	244	86	33	37	9	23	4	2	2	10	423
Arts, Design, Entertainment, Sports, and Media	283	57	60	12	13	9	2	8	4	2	0	1	115
Healthcare Practitioners and Technical	882	175	206	49	35	45	15	21	5	0	1	8	322
Healthcare Support	501	109	85	38	36	43	9	8	8	2	1	3	159
Protective Service	254	49	76	12	14	17	6	1	2	2	0	2	73
Food Preparation and Serving Related	599	119	131	26	31	42	14	15	10	6	1	5	199
Building and Grounds Cleaning and Maintenance	893	205	196	49	44	74	15	14	10	8	0	3	275
Personal Care and Service	404	82	94	24	22	44	4	1	1	1	0	2	129
Sales and Related	1,951	419	460	102	75	143	31	42	19	6	1	10	643
Office and Admin. Support	2,390	520	526	139	89	157	24	45	16	6	0	20	848
Farming, Forestry, and Fishing	75	16	15	1	5	6	3	0	2	0	0	1	26
Construction and Extraction	1,456	296	348	62	132	117	59	22	30	16	3	7	364
Installation, Repair, and Maintenance	812	185	196	39	50	54	30	13	13	2	2	5	223
Production	1,697	384	374	77	84	131	43	31	17	7	3	8	538
Transportation and Material Moving	1,459	299	359	59	107	129	36	20	21	12	1	5	411
Housewives, Students, Children, Volunteers, and None ^t	4,817	960	764	277	283	280	76	104	28	20	2	32	1,991
Retired	0	0	0	0	0	0	0	0	0	0	0	0	0
n.s.	792	138	114	32	61	53	28	9	10	9	2	4	332

*Due to changes in the coding of occupation, use caution when comparing prior years.

^tThis category includes those who were never employed.

Table 68
Deaths by Industry* of Decedent's Occupation by Selected Causes of Death
Kansas, 2012

Type of Industry	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hyper-tension	All Other Causes
Total	25,084	5,314	5,406	1,331	1,304	1,680	505	459	245	110	22	159	8,549
Agriculture, Forestry, Fishing and Hunting	1,457	386	299	80	77	85	21	10	8	1	0	11	479
Mining	193	34	45	12	20	20	9	1	5	2	1	0	44
Utilities	303	69	71	11	11	22	7	8	0	0	0	1	103
Construction	1,419	306	347	57	123	104	54	26	31	13	2	10	346
Manufacturing	2,799	613	671	138	154	198	72	54	30	10	5	20	834
Wholesale Trade	535	126	134	23	26	44	8	11	7	2	1	1	152
Retail Trade	1,884	407	395	102	77	132	33	36	19	8	3	12	660
Transportation and Warehousing	1,351	297	327	58	74	113	24	20	15	5	0	5	413
Information	514	103	131	24	16	27	12	13	4	0	0	4	180
Finance and Insurance	679	135	180	34	23	39	10	12	4	2	0	3	237
Real Estate, and Rental, and Leasing	220	47	50	9	9	15	5	2	1	1	0	0	81
Professional, Scientific and Technical Services	627	121	168	30	31	40	17	18	10	1	1	5	185
Management of Companies and Enterprises	3	2	0	0	0	0	0	0	0	0	0	1	0
Admin. and Support & Waste Management Services	327	59	80	15	14	31	13	5	7	4	0	2	97
Educational Services	1,785	353	405	122	76	59	33	39	12	8	3	12	663
Health Care and Social Assistance	2,012	430	452	116	93	134	30	39	14	7	1	15	681
Arts, Entertainment, and Recreation	125	23	31	6	8	10	2	3	0	1	0	0	41
Accommodation and Food Services	637	120	145	26	45	55	22	8	14	7	0	4	191
Other Services (except Public Admin.)	1,408	318	307	86	60	116	24	22	10	3	1	8	453
Public Admin. and Active Duty Military	1,409	310	309	73	59	113	27	24	13	6	1	11	463
Housewives, Students, Children, Volunteers and None ^T	4,746	955	760	277	257	282	58	104	27	18	2	32	1,974
Retired	1	0	0	0	1	0	0	0	0	0	0	0	0
n.s.	650	100	99	32	50	41	24	4	14	11	1	2	272

*Due to changes in the coding of industry, use caution when comparing prior years.

^TThis category includes those who were never employed.

Table 69
Selected Causes of Death and Years of Potential Life Lost (YPLL)
Before Age 75
Kansas, 2012

CAUSE OF DEATH (ICD-10)	Number of Deaths	Total Years Life Lost	Percent Years Lost By Cause	Rate [†] Years Lost By Cause
Total Deaths	25,084	187,947	100.0	65.1
Cancer (C00-C97)	5,406	39,974	21.3	13.9
Heart Disease (I00-I09, I11, I13, I20-I51)	5,314	24,475	13.0	8.5
Chronic Lower Respiratory Dis. (J40-J47)	1,680	6,667	3.5	2.3
Cerebrovascular Disease (I60-I69)	1,331	3,952	2.1	1.4
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	1,304	28,040	14.9	9.7
Alzheimer's Disease (G30)	788	367	0.2	0.1
Diabetes (E10-E14)	633	4,690	2.5	1.6
Pneumonia and Influenza (J09-J18)	621	1,696	0.9	0.6
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	599	1,928	1.0	0.7
Suicide (U03, X60-X84, Y87.0)	505	15,680	8.3	5.4
Atherosclerosis (I70)	459	671	0.4	0.2
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	245	3,838	2.0	1.3
Homicide (U01-U02, X85-Y09, Y87.1)	110	4,366	2.3	1.5
All Other Causes	6,089	51,603	27.5	17.9
Male Deaths	12,421	116,032	100.0	80.8
Cancer (C00-C97)	2,787	21,424	18.5	14.9
Heart Disease (I00-I09, I11, I13, I20-I51)	2,798	16,589	14.3	11.6
Chronic Lower Respiratory Dis. (J40-J47)	830	3,015	2.6	2.1
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	792	19,338	16.7	13.5
Cerebrovascular Disease (I60-I69)	520	2,336	2.0	1.6
Suicide (U03, X60-X84, Y87.0)	413	12,766	11.0	8.9
Diabetes (E10-E14)	312	2,631	2.3	1.8
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	290	1,110	1.0	0.8
Pneumonia and Influenza (J09-J18)	282	913	0.8	0.6
Alzheimer's Disease (G30)	264	197	0.2	0.1
Atherosclerosis (I70)	184	442	0.4	0.3
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	164	2,574	2.2	1.8
Homicide (U01-U02, X85-Y09, Y87.1)	78	3,105	2.7	2.2
All Other Causes	2,707	29,592	25.5	20.6
Female Deaths	12,663	71,915	100.0	49.6
Cancer (C00-C97)	2,619	18,550	25.8	12.8
Heart Disease (I00-I09, I11, I13, I20-I51)	2,516	7,886	11.0	5.4
Chronic Lower Respiratory Dis. (J40-J47)	850	3,652	5.1	2.5
Cerebrovascular Disease (I60-I69)	811	1,616	2.2	1.1
Alzheimer's Disease (G30)	524	170	0.2	0.1
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	512	8,702	12.1	6.0
Pneumonia and Influenza (J09-J18)	339	783	1.1	0.5
Diabetes (E10-E14)	321	2,059	2.9	1.4
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	309	818	1.1	0.6
Atherosclerosis (I70)	275	229	0.3	0.2
Suicide (U03, X60-X84, Y87.0)	92	2,914	4.1	2.0
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	81	1,264	1.8	0.9
Homicide (U01-U02, X85-Y09, Y87.1)	32	1,261	1.8	0.9
All Other Causes	3,382	22,011	30.6	15.2

[†]Rate per 1,000 population.

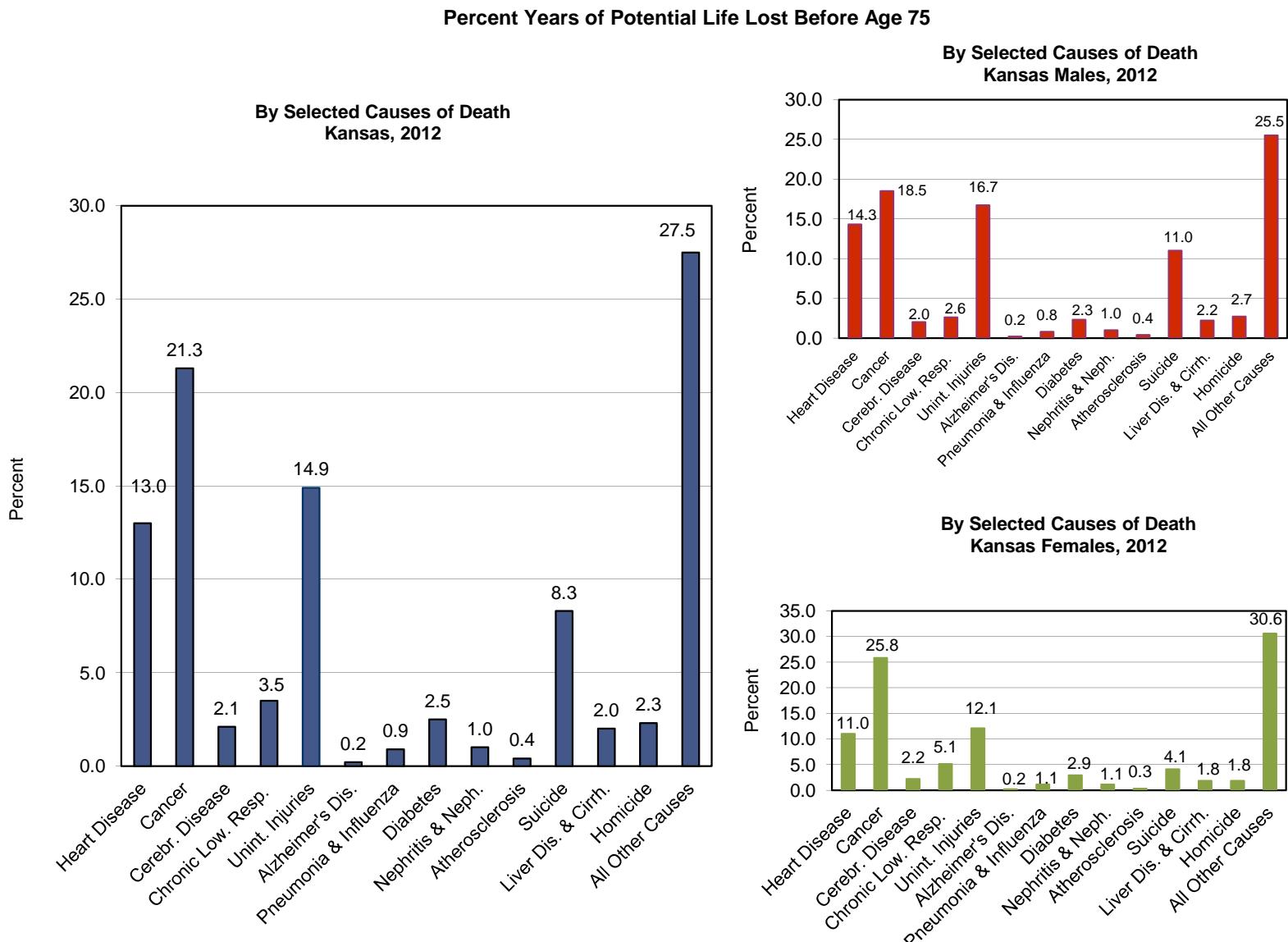


Figure 33

Table 70
 Deaths by Number and Percent Related to Tobacco
 by County of Residence and by Peer Group*
 Kansas, 2012

County of Residence	Did Tobacco Use Contribute to this death?				Total Deaths	Yes + Probably as Percent of Known
	Yes	Probably	No	Unknown		
Kansas	2,332	1,287	11,166	10,299	25,084	24.5
Allen	14	9	90	70	183	20.4
Anderson	12	6	54	24	96	25.0
Atchison	14	8	82	57	161	21.2
Barber	13	3	32	19	67	33.3
Barton	25	19	103	160	307	29.9
Bourbon	19	10	88	62	179	24.8
Brown	9	6	50	62	127	23.1
Butler	50	29	252	291	622	23.9
Chase	1	3	9	16	29	30.8
Chautauqua	9	1	24	18	52	29.4
Cherokee	29	17	92	132	270	33.3
Cheyenne	5	0	12	26	43	29.4
Clark	7	1	13	9	30	38.1
Clay	15	6	44	24	89	32.3
Cloud	12	7	49	63	131	27.9
Coffey	8	5	42	47	102	23.6
Comanche	3	0	16	4	23	15.8
Cowley	39	15	179	175	408	23.2
Crawford	53	14	164	187	418	29.0
Decatur	6	3	18	32	59	33.3
Dickinson	36	21	138	65	260	29.2
Doniphan	5	3	26	38	72	23.5
Douglas	39	43	258	305	645	24.1
Edwards	8	4	18	15	45	40.0
Elk	3	2	11	26	42	31.3
Ellis	31	17	86	125	259	35.8
Ellsworth	10	2	29	28	69	29.3
Finney	9	13	93	84	199	19.1
Ford	18	3	96	101	218	17.9
Franklin	30	19	111	91	251	30.6
Geary	39	16	85	58	198	39.3
Gove	1	1	25	7	34	7.4
Graham	2	3	12	22	39	29.4
Grant	8	2	39	20	69	20.4
Gray	5	0	26	16	47	16.1
Greeley	0	4	10	4	18	28.6
Greenwood	9	2	36	63	110	23.4
Hamilton	4	2	18	9	33	25.0
Harper	7	6	38	30	81	25.5
Harvey	28	19	198	147	392	19.2
Haskell	4	1	5	9	19	50.0
Hodgeman	0	0	3	8	11	0.0
Jackson	17	5	63	35	120	25.9
Jefferson	12	15	81	82	190	25.0
Jewell	2	2	18	18	40	18.2
Johnson	311	172	1,931	1,132	3,546	20.0
Kearny	8	1	17	20	46	34.6
Kingman	12	7	54	35	108	26.0
Kiowa	0	0	20	9	29	0.0
Labette	11	14	93	162	280	21.2
Lane	3	0	10	10	23	23.1
Leavenworth	62	31	236	228	557	28.3
Lincoln	3	2	6	24	35	45.5
Linn	11	10	60	46	127	25.9
Logan	3	4	18	9	34	28.0

Table 70
 Deaths by Number and Percent Related to Tobacco
 by County of Residence and by Peer Group*
 Kansas, 2012

County of Residence	Did Tobacco Use Contribute to this death?				Total Deaths	Yes + Probably as Percent of Known
	Yes	Probably	No	Unknown		
Lyon	31	16	120	89	256	28.1
McPherson	29	12	212	111	364	16.2
Marion	13	8	90	42	153	18.9
Marshall	9	12	42	77	140	33.3
Meade	9	0	23	11	43	28.1
Miami	27	20	134	55	236	26.0
Mitchell	14	1	50	34	99	23.1
Montgomery	71	20	151	197	439	37.6
Morris	10	1	43	26	80	20.4
Morton	2	1	15	8	26	16.7
Nemaha	7	5	63	55	130	16.0
Neosho	18	9	101	59	187	21.1
Ness	2	0	17	19	38	10.5
Norton	11	4	19	23	57	44.1
Osage	17	8	73	71	169	25.5
Osborne	7	1	32	23	63	20.0
Ottawa	6	5	37	19	67	22.9
Pawnee	4	7	25	41	77	30.6
Phillips	4	1	33	29	67	13.2
Pottawatomie	18	7	94	46	165	21.0
Pratt	8	9	53	43	113	24.3
Rawlins	4	2	14	13	33	30.0
Reno	84	42	316	321	763	28.5
Republic	4	4	24	60	92	25.0
Rice	18	8	68	47	141	27.7
Riley	29	6	169	110	314	17.2
Rooks	6	2	30	27	65	21.1
Rush	5	5	18	27	55	35.7
Russell	8	8	29	58	103	35.6
Saline	67	41	211	215	534	33.9
Scott	1	3	25	38	67	13.8
Sedgwick	291	193	1,444	2,099	4,027	25.1
Seward	9	7	73	47	136	18.0
Shawnee	153	85	949	564	1,751	20.1
Sheridan	2	4	9	17	32	40.0
Sherman	13	5	20	25	63	47.4
Smith.	5	4	45	9	63	16.7
Stafford	1	2	14	40	57	17.6
Stanton	3	2	14	2	21	26.3
Stevens	13	1	21	12	47	40.0
Sumner	18	14	109	130	271	22.7
Thomas	10	4	20	32	66	41.2
Trego	1	1	14	31	47	12.5
Wabaunsee	7	4	31	30	72	26.2
Wallace	5	2	4	6	17	63.6
Washington	10	2	41	18	71	22.6
Wichita	2	2	10	12	26	28.6
Wilson	17	11	50	60	138	35.9
Woodson	5	2	30	13	50	18.9
Wyandotte	130	66	556	599	1,351	26.1
n.s.	0	0	0	0	0	n/a
Peer Group						
Frontier	157	71	625	638	1,491	26.7
Rural	292	158	1,284	1,161	2,895	26.0
Densely -Settled Rural	419	242	2,092	1,901	4,654	24.0
Semi-Urban	478	226	1,791	1,672	4,167	28.2
Urban	986	590	5,374	4,927	11,877	22.7

* See Technical Notes for Peer Group definition.

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
All Causes	25,084	2,332	1,287	24.5	11,166	14,785	10,299
Male	12,421	1,399	819	31.3	4,879	7,097	5,324
Female	12,663	933	468	18.2	6,287	7,688	4,975
Tuberculosis (A16-A19)	3	0	1	50.0	1	2	1
Male	3	0	1	50.0	1	2	1
Female	0	0	0		0	0	0
Syphilis (A50-A53)	0	0	0		0	0	0
Male	0	0	0		0	0	0
Female	0	0	0		0	0	0
HIV/AIDS (B20-B24)	24	3	0	17.6	14	17	7
Male	21	3	0	18.8	13	16	5
Female	3	0	0	0.0	1	1	2
Cancer of Stomach (C16)	69	5	3	26.7	22	30	39
Male	48	5	3	36.4	14	22	26
Female	21	0	0	0.0	8	8	13
Cancer of Colon, Rectum & Anus (C18-C21)	471	13	14	9.6	253	280	191
Male	232	6	11	12.4	120	137	95
Female	239	7	3	7.0	133	143	96
Cancer of Pancreas (C25)	374	15	12	12.0	198	225	149
Male	182	12	8	19.0	85	105	77
Female	192	3	4	5.8	113	120	72
Cancer of Trachea, Bronchus & Lung (C33-C34)	1,495	583	226	87.6	115	924	571
Male	798	334	125	92.5	37	496	302
Female	697	249	101	81.8	78	428	269
Cancer of Breast (C50)	400	19	6	9.8	231	256	144
Male	4	0	0	0.0	2	2	2
Female	396	19	6	9.8	229	254	142
Cancer of Cervix, Corpus & Ovary (C53-C56)	248	1	3	2.6	150	154	94
Male	0	0	0		0	0	0
Female	248	1	3	2.6	150	154	94
Cancer of Prostate (C61)	231	8	8	11.0	129	145	86
Male	231	8	8	11.0	129	145	86
Female	0	0	0		0	0	0

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Cancer of Urinary Tract (C64-C68)	287	20	23	27.7	112	155	132
Male	204	15	17	30.8	72	104	100
Female	83	5	6	21.6	40	51	32
Non-Hodgkin's Lymphoma (C82-C85)	185	5	3	6.8	109	117	68
Male	99	4	2	9.7	56	62	37
Female	86	1	1	3.6	53	55	31
Leukemia (C91-C95)	249	4	6	6.6	141	151	98
Male	148	2	4	7.2	77	83	65
Female	101	2	2	5.9	64	68	33
Other Malignant Neoplasms*	1,397	123	71	24.0	614	808	589
Male	841	92	56	31.3	325	473	368
Female	556	31	15	13.7	289	335	221
Diabetes mellitus (E10-E14)	633	45	43	24.5	271	359	274
Male	312	33	26	35.5	107	166	146
Female	321	12	17	15.0	164	193	128
Alzheimer's Disease (G30)	788	7	10	3.2	507	524	264
Male	264	2	5	4.2	161	168	96
Female	524	5	5	2.8	346	356	168
Hypertensive Heart Disease (I11, I13)	140	6	7	18.6	57	70	70
Male	51	5	4	47.4	10	19	32
Female	89	1	3	7.8	47	51	38
Ischemic Heart Disease (I20-I25)	2,990	278	237	32.7	1,059	1,574	1,416
Male	1,766	202	183	43.3	504	889	877
Female	1,224	76	54	19.0	555	685	539
Other Heart Disease (I00-I09, I26-I51)	2,184	91	92	16.3	940	1,123	1,061
Male	981	65	59	26.4	345	469	512
Female	1,203	26	33	9.0	595	654	549
Prim. Hypertension/ Hypertensive Renal Dis. & Sec. Hypertension (I10, I12, I15)	159	16	11	25.7	78	105	54
Male	60	7	5	34.3	23	35	25
Female	99	9	6	21.4	55	70	29

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Cerebrovascular Disease (I60-I69)	1,331	57	38	13.3	619	714	617
Male	520	35	26	23.5	199	260	260
Female	811	22	12	7.5	420	454	357
Atherosclerosis (I70)	459	7	5	3.0	389	401	58
Male	184	5	3	5.2	147	155	29
Female	275	2	2	1.6	242	246	29
Other Disease of Circulatory System (I71-I78)	195	13	16	30.2	67	96	99
Male	104	10	8	40.9	26	44	60
Female	91	3	8	21.2	41	52	39
Pneumonia & Influenza (J09-J18)	621	21	30	16.0	267	318	303
Male	282	11	19	23.6	97	127	155
Female	339	10	11	11.0	170	191	148
Chronic Lower Respiratory Disease (J40-J47)	1,680	734	223	84.8	171	1,128	552
Male	830	375	122	88.1	67	564	266
Female	850	359	101	81.6	104	564	286
Peptic Ulcer (K25-K28)	22	3	1	36.4	7	11	11
Male	17	3	1	57.1	3	7	10
Female	5	0	0	0.0	4	4	1
Chonic Liver Disease & Cirrhosis (K70, K73-K74)	245	20	19	24.4	121	160	85
Male.	164	16	15	27.9	80	111	53
Female	81	4	4	16.3	41	49	32
Nephritis, Nephrotic Syndrome & Nephrosis (N00-N07,N17-N19, N25-N27)	599	12	18	9.6	283	313	286
Male	290	9	13	14.7	128	150	140
Female	309	3	5	4.9	155	163	146
Pregnancy, Childbirth, & the Puerperium (O00-O99)	6	0	1	20.0	4	5	1
Male	0	0	0	0	0	0	0
Female	6	0	1	20.0	4	5	1
Certain Conditons Originating In the Perinatal Period (P00-P96)	123	0	0	0.0	98	98	25
Male	71	0	0	0.0	52	52	19
Female	52	0	0	0.0	46	46	6

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Congenital Anomalies (Q00-Q99)	88	2	0	2.8	70	72	16
Male	52	1	0	2.4	41	42	10
Female	36	1	0	3.3	29	30	6
Sudden Infant Death Syndrome (R95)	24	0	0	0.0	19	19	5
Male	13	0	0	0.0	11	11	2
Female	11	0	0	0.0	8	8	3
Symptoms and Abnormal Findings (R00-R94, R96-R99)	668	6	3	3.4	258	267	401
Male	269	2	1	3.8	77	80	189
Female	399	4	2	3.2	181	187	212
All Other Diseases [†]	4,740	183	128	11.2	2,476	2,787	1,953
Male	2,072	117	71	16.4	958	1,146	926
Female	2,668	66	57	7.5	1,518	1,641	1,027
Motor Vehicle Accidents [‡]	410	3	2	1.5	323	328	82
Male	294	2	2	1.7	232	236	58
Female	116	1	0	1.1	91	92	24
All Other Accidents and Adverse Effects [§]	894	24	27	9.6	483	534	360
Male	498	15	21	11.8	270	306	192
Female	396	9	6	6.6	213	228	168
Suicide							
U03, X60-X84, Y87.0	505	2	0	0.5	393	395	110
Male	413	1	0	0.3	327	328	85
Female	92	1	0	1.5	66	67	25
Homicide							
U01-U02, X85-Y09, Y87.1	110	1	0	1.0	95	96	14
Male	78	1	0	1.5	64	65	13
Female	32	0	0	0.0	31	31	1
All Other External Causes							
Y10-Y36, Y87.2, Y89	37	2	0	8.3	22	24	13
Male	25	1	0	5.0	19	20	5
Female	12	1	0	25.0	3	4	8

* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

[†]A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, U0

[‡]V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89..

[§]V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1,

V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	n.s.
All Causes	25,084	254	42	53	301	408	610	1,603	2,978	3,991	6,111	8,733	0
Male	12,421	143	20	32	225	296	357	955	1,823	2,267	3,065	3,238	0
Female	12,663	111	22	21	76	112	253	648	1,155	1,724	3,046	5,495	0
Tuberculosis (A16-A19)	3	0	0	0	0	0	0	1	1	0	1	0	0
Male	3	0	0	0	0	0	0	1	1	0	1	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis (A50-A53)	0	0	0	0	0	0	0	0	0	0	0	0	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0	0
HIV/AIDS (B20-B24)	24	0	0	0	0	0	1	3	12	5	3	0	0
Male	21	0	0	0	0	0	0	3	12	4	2	0	0
Female	3	0	0	0	0	0	1	0	0	1	1	0	0
Cancer of Stomach (C16)	69	0	0	0	0	0	1	2	8	13	25	12	8
Male	48	0	0	0	0	0	1	1	7	6	20	9	4
Female	21	0	0	0	0	0	0	1	1	7	5	3	0
Cancer of Colon, Rectum & Anus (C18-C21)	471	0	0	1	0	2	16	48	84	97	120	103	0
Male	232	0	0	1	0	2	9	29	53	52	54	32	0
Female	239	0	0	0	0	0	7	19	31	45	66	71	0
Cancer of Pancreas (C25)	374	0	0	0	0	0	5	25	70	106	105	63	0
Male	182	0	0	0	0	0	5	8	34	58	48	29	0
Female	192	0	0	0	0	0	0	17	36	48	57	34	0
Cancer of Trachea, Bronchus & Lung (C33-C34)	1,495	0	0	0	0	5	11	101	316	443	417	202	0
Male	798	0	0	0	0	3	6	53	180	243	216	97	0
Female	697	0	0	0	0	2	5	48	136	200	201	105	0
Cancer of Breast (C50)	400	0	0	0	0	1	18	58	69	84	103	67	0
Male	4	0	0	0	0	0	0	0	1	3	0	0	0
Female	396	0	0	0	0	1	18	58	68	81	103	67	0
Cancer of Cervix, Corpus & Ovary (C53-C56)	248	0	0	1	1	1	9	25	54	64	49	44	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	248	0	0	1	1	1	9	25	54	64	49	44	0
Cancer of Prostate (C61)	231	0	0	0	0	0	0	5	21	47	76	82	0
Male	231	0	0	0	0	0	0	5	21	47	76	82	0
Female	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	
Cancer of Urinary Tract (C64-C68)	287	0	0	0	1	0	4	18	43	75	76	70	0
Male	204	0	0	0	0	0	3	11	36	58	48	48	0
Female	83	0	0	0	1	0	1	7	7	17	28	22	0
Non-Hodgkin's Lymphoma (C82-C85)	185	0	0	2	1	1	4	9	18	29	65	56	0
Male	99	0	0	2	1	1	3	9	11	15	35	22	0
Female	86	0	0	0	0	0	1	0	7	14	30	34	0
Leukemia (C91-C95)	249	0	2	2	3	5	6	13	23	64	76	55	0
Male	148	0	0	2	1	2	5	8	16	42	44	28	0
Female	101	0	2	0	2	3	1	5	7	22	32	27	0
Other Malignant Neoplasms*	1,397	0	1	5	10	9	35	126	283	355	360	213	0
Male	841	0	0	4	6	6	18	86	204	220	202	95	0
Female	556	0	1	1	4	3	17	40	79	135	158	118	0
Diabetes mellitus (E10-E14)	633	0	0	0	3	5	21	53	97	134	148	172	0
Male	312	0	0	0	2	1	13	32	50	76	73	65	0
Female	321	0	0	0	1	4	8	21	47	58	75	107	0
Alzheimer's Disease (G30)	788	0	0	0	0	0	0	1	14	39	233	501	0
Male	264	0	0	0	0	0	0	1	6	22	99	136	0
Female	524	0	0	0	0	0	0	0	8	17	134	365	0
Hypertensive Heart Disease (I11, I13)	140	0	0	0	0	2	3	7	10	9	33	76	0
Male	51	0	0	0	0	2	1	4	8	6	13	17	0
Female	89	0	0	0	0	0	2	3	2	3	20	59	0
Ischemic Heart Disease (I20-I25)	2,990	0	0	0	0	14	36	188	390	485	735	1,142	0
Male	1,766	0	0	0	0	13	26	132	296	346	446	507	0
Female	1,224	0	0	0	0	1	10	56	94	139	289	635	0
Other Heart Disease (I00-I09, I26-I51)	2,184	4	2	0	8	10	37	91	180	274	503	1,075	0
Male	981	1	1	0	5	7	20	52	114	148	230	403	0
Female	1,203	3	1	0	3	3	17	39	66	126	273	672	0
Prim. Hypertension/ Hypertensive Renal Dis. & Sec. Hypertension (I10, I12, I15)	159	0	0	0	0	2	0	9	15	19	29	85	0
Male	60	0	0	0	0	2	0	6	11	8	12	21	0
Female	99	0	0	0	0	0	0	3	4	11	17	64	0

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	n.s.
Cerebrovascular Disease (I60-I69)	1,331	1	0	0	1	1	15	39	99	165	363	647	0
Male	520	1	0	0	1	1	9	26	52	86	155	189	0
Female	811	0	0	0	0	0	6	13	47	79	208	458	0
Atherosclerosis (I70)	459	0	0	0	0	0	1	5	22	39	118	274	0
Male	184	0	0	0	0	0	1	3	17	21	51	91	0
Female	275	0	0	0	0	0	0	2	5	18	67	183	0
Other Disease of Circulatory System (I71-I78)	195	0	0	0	0	0	8	15	15	28	53	76	0
Male	104	0	0	0	0	0	3	11	10	19	32	29	0
Female	91	0	0	0	0	0	5	4	5	9	21	47	0
Pneumonia & Influenza (J09-J18)	621	0	1	0	0	4	10	9	41	52	156	348	0
Male	282	0	0	0	0	1	5	5	28	31	70	142	0
Female	339	0	1	0	0	3	5	4	13	21	86	206	0
Chronic Lower Respiratory Disease (J40-J47)	1,680	0	0	0	1	4	9	61	192	371	576	466	0
Male	830	0	0	0	1	1	4	25	88	186	310	215	0
Female	850	0	0	0	0	3	5	36	104	185	266	251	0
Peptic Ulcer (K25-K28)	22	0	0	0	0	0	2	2	4	3	4	7	0
Male	17	0	0	0	0	0	2	2	4	2	4	3	0
Female	5	0	0	0	0	0	0	0	0	1	0	4	0
Chonic Liver Disease & Cirrhosis (K70, K73-K74)	245	0	0	0	0	8	16	56	83	44	24	14	0
Male	164	0	0	0	0	4	9	41	60	26	15	9	0
Female	81	0	0	0	0	4	7	15	23	18	9	5	0
Nephritis, Nephrotic Syndrome & Nephrosis (N00-N07, N17-N19, N25-N27)	599	1	0	0	1	3	3	16	46	93	168	268	0
Male	290	1	0	0	0	3	2	10	21	57	91	105	0
Female	309	0	0	0	1	0	1	6	25	36	77	163	0
Pregnancy, Childbirth, & the Puerperium (O00-O99)	6	0	0	0	2	3	1	0	0	0	0	0	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	6	0	0	0	2	3	1	0	0	0	0	0	0
Certain Conditons Originating In the Perinatal Period (P00-P96)	123	122	0	0	0	1	0	0	0	0	0	0	0
Male	71	70	0	0	0	1	0	0	0	0	0	0	0
Female	52	52	0	0	0	0	0	0	0	0	0	0	0

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2012

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	n.s.
Congenital Anomalies (Q00-Q99)	88	51	2	3	4	3	1	8	10	3	3	0	0
Male	52	30	2	1	3	3	0	4	5	2	2	0	0
Female	36	21	0	2	1	0	1	4	5	1	1	0	0
Sudden Infant Death Syndrome (R95)	24	24	0	0	0	0	0	0	0	0	0	0	0
Male	13	13	0	0	0	0	0	0	0	0	0	0	0
Female	11	11	0	0	0	0	0	0	0	0	0	0	0
Symptoms and Abnormal Findings (R00-R94, R96-R99)	668	14	5	2	7	17	19	53	69	66	91	325	0
Male	269	8	1	2	4	11	9	28	48	36	41	81	0
Female	399	6	4	0	3	6	10	25	21	30	50	244	0
All Other Diseases [†]	4,740	24	9	10	28	52	70	238	479	618	1,202	2,010	0
Male	2,072	12	6	6	16	29	34	134	279	322	561	673	0
Female	2,668	12	3	4	12	23	36	104	200	296	641	1,337	0
Motor Vehicle Accidents [‡]	410	1	8	11	88	60	49	50	41	39	38	25	0
Male	294	0	4	6	63	47	35	38	35	26	29	11	0
Female	116	1	4	5	25	13	14	12	6	13	9	14	0
All Other Accidents and Adverse Effects [§]	894	9	10	9	34	77	88	117	86	76	145	243	0
Male	498	5	6	4	29	58	52	71	60	51	72	90	0
Female	396	4	4	5	5	19	36	46	26	25	73	153	0
Suicide													
U03, X60-X84, Y87.0	505	0	0	5	79	87	80	110	70	36	24	14	0
Male	413	0	0	4	69	72	60	85	55	32	23	13	0
Female	92	0	0	1	10	15	20	25	15	4	1	1	0
Homicide													
U01-U02, X85-Y09, Y87.1	110	2	2	2	25	25	26	17	4	3	3	1	0
Male	78	1	0	0	20	22	17	12	1	3	2	0	0
Female	32	1	2	2	5	3	9	5	3	0	1	1	0
All Other External Causes													
Y10-Y36, Y87.2, Y89	37	1	0	0	4	4	2	9	11	3	2	1	0
Male	25	1	0	0	4	3	2	4	8	1	1	1	0
Female	12	0	0	0	0	1	0	5	3	2	1	0	0

* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

[†]A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, U04

[‡]V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

[§]V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1,

V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Kansas	25,084	3	586	5,406	1,288	1,537	400	500	287
Allen	183	0	3	34	9	7	6	1	3
Anderson	96	0	0	21	7	7	0	1	0
Atchison	161	0	4	29	6	8	4	4	1
Barber	67	0	0	14	2	4	1	1	0
Barton	307	0	4	83	16	22	11	9	5
Bourbon	179	0	3	31	8	7	1	2	3
Brown	127	0	4	29	11	8	4	0	2
Butler	622	0	14	124	27	36	12	12	7
Chase	29	0	1	6	1	1	1	1	0
Chautauqua	52	0	1	9	2	4	1	0	0
Cherokee	270	0	9	55	10	15	5	5	5
Cheyenne	43	0	0	12	2	2	2	0	0
Clark	30	0	1	7	1	3	0	0	0
Clay	89	0	0	28	9	8	1	3	1
Cloud	131	0	1	24	7	8	4	3	0
Coffey	102	0	1	22	8	6	0	2	0
Comanche	23	0	0	5	1	0	1	0	0
Cowley	408	0	12	83	14	21	8	6	4
Crawford	418	0	6	78	20	26	6	7	4
Decatur	59	0	1	16	5	3	1	1	0
Dickinson	260	0	3	62	16	22	2	5	3
Doniphan	72	0	2	16	6	4	1	1	0
Douglas	645	0	18	130	30	36	10	13	7
Edwards	45	1	1	9	3	2	1	1	0
Elk	42	0	0	9	2	2	0	2	0
Ellis	259	0	7	52	9	22	3	4	3
Ellsworth	69	0	1	11	4	1	2	1	0
Finney	199	0	6	39	7	15	5	2	0
Ford	218	0	7	38	5	9	5	5	3
Franklin	251	0	7	51	9	12	1	7	2
Geary	198	0	3	50	8	25	4	0	1
Gove	34	0	0	6	2	0	0	1	1
Graham	39	0	1	7	0	3	1	0	0
Grant	69	0	0	20	6	0	3	3	2
Gray	47	0	0	11	2	0	0	0	1
Greeley	18	0	0	4	2	0	1	0	0
Greenwood	110	0	1	20	4	6	0	2	0
Hamilton	33	0	1	5	0	0	2	2	0
Harper	81	0	1	16	4	7	1	0	3
Harvey	392	0	6	87	24	27	10	10	3
Haskell	19	0	0	2	0	1	0	1	0
Hodgeman	11	0	0	1	0	0	0	0	0
Jackson	120	0	3	27	6	10	1	3	0
Jefferson	190	0	5	44	13	16	0	3	1
Jewell	40	0	3	11	3	3	0	2	0
Johnson	3,546	0	67	807	197	202	61	84	56
Kearny	46	0	0	12	2	5	0	1	0
Kingman	108	0	0	18	9	4	0	1	1
Kiowa	29	0	0	8	2	1	1	2	0
Labette	280	0	3	57	14	10	4	5	6
Lane	23	0	1	6	1	3	0	1	0
Leavenworth	557	0	12	126	31	40	10	11	13
Lincoln	35	0	0	10	4	2	0	0	1
Linn	127	0	2	41	13	9	0	3	3
Logan	34	0	1	4	2	2	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Lyon	256	0	5	56	20	17	4	6	2
McPherson	364	0	5	71	22	9	7	9	4
Marion	153	0	2	29	11	3	1	3	2
Marshall	140	0	1	27	6	8	0	4	3
Meade	43	0	0	10	1	2	1	3	0
Miami	236	0	7	64	13	22	4	9	2
Mitchell	99	0	2	12	2	4	2	0	2
Montgomery	439	0	5	108	33	28	10	10	4
Morris	80	0	1	26	5	3	3	2	1
Morton	26	0	0	8	2	2	0	0	1
Nemaha	130	0	1	24	6	5	3	0	2
Neosho	187	0	5	44	11	12	4	3	0
Ness	38	0	1	7	3	1	1	0	0
Norton	57	0	0	8	1	1	2	0	0
Osage	169	0	8	37	5	10	2	3	3
Osborne	63	0	1	21	8	1	2	4	3
Ottawa	67	0	0	12	0	5	0	3	1
Pawnee	77	0	1	22	1	7	5	1	2
Phillips	67	0	3	13	1	4	1	1	2
Pottawatomie	165	0	1	37	8	8	7	2	2
Pratt	113	0	3	28	6	6	4	4	1
Rawlins	33	0	0	8	3	1	1	0	0
Reno	763	0	12	171	48	56	4	16	8
Republic	92	0	3	13	3	5	1	1	0
Rice	141	0	5	24	6	9	1	4	0
Riley	314	1	6	66	12	19	6	8	0
Rooks	65	0	0	11	4	3	1	0	0
Rush	55	0	0	9	3	3	0	0	1
Russell	103	0	4	15	3	5	0	1	1
Saline	534	0	14	115	31	36	8	9	9
Scott	67	0	5	5	1	1	0	1	0
Sedgwick	4,027	0	130	847	188	263	55	85	37
Seward	136	0	4	30	8	10	0	2	0
Shawnee	1,751	0	54	388	84	116	22	36	28
Sheridan	32	0	1	7	2	2	0	0	0
Sherman	63	0	1	13	1	5	0	1	2
Smith	63	0	2	9	3	3	0	0	0
Stafford	57	0	1	9	2	2	0	1	2
Stanton	21	0	0	7	1	4	0	0	1
Stevens	47	0	1	11	3	1	3	0	0
Sumner	271	0	11	43	7	15	2	1	2
Thomas	66	0	1	12	3	4	2	1	0
Trego	47	0	2	6	1	2	1	0	0
Wabaunsee	72	0	4	14	5	1	3	2	1
Wallace	17	0	0	4	0	2	0	1	1
Washington	71	0	2	19	4	5	1	3	0
Wichita	26	0	0	5	1	2	0	1	0
Wilson	138	0	6	18	5	4	3	1	0
Woodson	50	0	0	13	3	3	0	0	1
Wyandotte	1,351	1	38	323	82	100	25	24	11
n.s.	0	0	0	0	0	0	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hypertensive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Kansas	249	1,145	633	788	7,458	5,314	28	140	2,990	2,156
Allen	1	7	4	9	62	47	0	0	24	23
Anderson	2	4	1	7	33	23	0	0	9	14
Atchison	1	5	3	4	48	35	0	0	19	16
Barber	0	6	1	4	21	16	0	0	11	5
Barton	5	15	4	13	88	71	0	3	42	26
Bourbon	0	10	3	4	59	46	0	1	26	19
Brown	0	4	4	7	43	33	0	1	20	12
Butler	7	23	9	7	184	138	1	6	79	52
Chase	0	2	1	1	11	9	0	0	3	6
Chautauqua	2	0	2	5	16	13	0	0	7	6
Cherokee	2	13	9	11	81	63	0	6	40	17
Cheyenne	1	5	0	0	11	6	0	0	4	2
Clark	0	3	1	1	16	11	0	0	9	2
Clay	2	4	3	4	20	13	0	0	8	5
Cloud	0	2	3	1	40	33	0	2	18	13
Coffey	2	4	3	4	35	28	1	1	19	7
Comanche	1	2	0	2	7	4	0	0	4	0
Cowley	4	26	20	22	127	95	1	4	64	26
Crawford	3	12	11	30	144	111	0	3	70	38
Decatur	0	6	2	3	14	10	0	0	3	7
Dickinson	1	13	7	5	78	54	1	2	32	19
Doniphan	1	3	2	2	23	15	0	0	9	6
Douglas	3	31	16	29	176	125	1	2	57	65
Edwards	0	2	5	1	16	11	0	0	8	3
Elk	0	3	1	1	17	15	0	0	8	7
Ellis	2	9	7	12	67	42	0	0	33	9
Ellsworth	2	1	5	1	22	15	0	1	8	6
Finney	2	8	9	3	48	38	0	0	22	16
Ford	0	11	4	6	80	62	1	7	29	25
Franklin	6	14	9	8	63	43	0	1	22	20
Geary	4	8	6	6	57	44	0	1	26	17
Gove	1	1	0	0	16	15	0	0	9	6
Graham	0	3	1	1	11	9	0	0	7	2
Grant	2	4	1	1	18	17	0	0	12	5
Gray	0	8	0	1	11	10	0	0	5	5
Greeley	0	1	2	0	6	6	0	0	5	1
Greenwood	3	5	3	3	40	31	0	0	17	14
Hamilton	0	1	1	0	11	10	0	1	8	1
Harper	0	1	5	1	23	17	0	1	6	10
Harvey	2	11	10	20	130	89	0	2	58	29
Haskell	0	0	1	0	6	6	0	1	5	0
Hodgeman	1	0	1	0	4	1	0	0	1	0
Jackson	1	6	0	1	32	24	0	0	15	9
Jefferson	4	7	7	5	58	48	0	0	30	18
Jewell	1	2	1	1	12	10	0	1	5	4
Johnson	28	179	59	109	1,168	614	3	12	339	260
Kearny	0	4	3	1	10	8	1	0	5	2
Kingman	1	2	4	4	32	24	0	1	18	5
Kiowa	0	2	0	0	10	7	0	0	1	6
Labette	6	12	6	9	94	69	0	4	33	32
Lane	0	1	0	0	10	5	0	0	2	3
Leavenworth	3	18	23	25	163	126	1	0	88	37
Lincoln	1	2	2	0	8	6	0	0	4	2
Linn	0	13	1	8	31	23	0	0	16	7
Logan	0	0	1	2	15	12	0	0	4	8

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hypertensive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Lyon	4	3	8	1	74	58	0	0	25	33
McPherson	3	17	10	21	122	91	1	1	50	39
Marion	0	9	4	11	43	26	0	1	14	11
Marshall	3	3	2	7	41	35	0	0	24	11
Meade	1	2	4	0	14	11	0	2	4	5
Miami	2	12	2	10	75	63	2	2	45	14
Mitchell	0	2	4	5	29	17	0	0	12	5
Montgomery	2	21	12	13	114	81	0	2	50	29
Morris	4	8	1	3	19	16	0	0	8	8
Morton	0	3	0	0	6	6	0	0	4	2
Nemaha	1	7	5	6	38	26	0	0	17	9
Neosho	4	10	3	3	58	47	1	1	25	20
Ness	0	2	3	1	12	10	0	2	3	5
Norton	1	3	1	0	19	15	0	0	5	10
Osage	4	10	4	1	65	36	0	0	13	23
Osborne	1	2	3	0	22	19	0	0	17	2
Ottawa	2	1	0	4	25	16	0	1	10	5
Pawnee	2	4	1	4	15	8	0	0	3	5
Phillips	1	3	3	4	19	15	0	0	5	10
Pottawatomie	5	5	2	4	47	32	0	0	16	16
Pratt	1	6	6	2	32	23	1	1	10	11
Rawlins	1	2	0	0	13	12	0	0	6	6
Reno	9	30	26	28	182	125	1	0	83	41
Republic	1	2	3	1	31	23	0	0	10	13
Rice	1	3	5	14	36	26	0	1	19	6
Riley	7	14	7	13	85	61	1	3	29	28
Rooks	1	2	0	0	21	16	0	2	8	6
Rush	0	2	4	1	17	14	0	0	7	7
Russell	1	4	2	3	33	26	0	0	18	8
Saline	4	18	15	21	171	130	0	6	77	47
Scott	0	2	1	3	22	21	0	0	13	8
Sedgwick	37	182	84	79	1,142	868	4	22	472	370
Seward	3	7	6	2	34	25	1	0	12	12
Shawnee	13	89	37	45	485	361	1	17	174	169
Sheridan	1	2	0	2	8	7	0	0	5	2
Sherman	0	4	1	3	11	10	0	0	7	3
Smith	1	2	1	0	24	18	0	0	10	8
Stafford	0	2	2	2	20	13	0	1	6	6
Stanton	0	1	1	2	4	1	0	0	1	0
Stevens	1	3	3	1	15	14	0	0	8	6
Sumner	2	14	10	3	84	68	1	1	39	27
Thomas	1	1	1	4	20	16	0	0	8	8
Trego	0	2	2	1	12	8	0	0	3	5
Wabaunsee	0	2	4	1	14	8	0	0	4	4
Wallace	0	0	0	0	3	3	0	0	3	0
Washington	1	5	2	6	21	17	0	1	9	7
Wichita	0	1	1	1	5	5	0	0	3	2
Wilson	0	5	8	5	48	45	0	2	24	19
Woodson	2	4	0	2	18	14	0	0	7	7
Wyandotte	13	68	42	40	364	252	3	7	139	103
n.s.	0	0	0	0	0	0	0	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	Selected Causes of Death (ICD-10)								
	Primary Hypertension/ Hypertensive Renal Disease & Secondary Hypertension (I10, I12, I15)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J09-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Kansas	159	1,331	459	195	621	1,680	22	245	599
Allen	2	4	6	3	4	8	0	1	9
Anderson	0	8	0	2	2	7	0	2	0
Atchison	3	7	1	2	5	13	0	0	7
Barber	0	4	0	1	2	5	0	2	1
Barton	1	12	2	2	9	16	0	3	7
Bourbon	1	11	1	0	7	14	1	3	7
Brown	2	7	0	1	1	10	0	2	1
Butler	5	32	6	3	21	59	1	3	23
Chase	0	1	0	1	0	3	0	0	2
Chautauqua	0	3	0	0	2	5	0	0	2
Cherokee	3	12	0	3	7	28	1	6	2
Cheyenne	0	5	0	0	3	4	0	0	0
Clark	0	5	0	0	0	0	0	0	0
Clay	1	6	0	0	4	6	0	1	4
Cloud	0	6	0	1	7	9	0	0	4
Coffey	0	7	0	0	4	5	0	1	1
Comanche	0	3	0	0	3	1	0	0	1
Cowley	2	29	0	1	7	28	0	5	11
Crawford	0	26	2	5	13	28	1	4	15
Decatur	1	2	0	1	4	3	0	0	2
Dickinson	0	17	1	6	5	25	0	3	5
Doniphan	0	8	0	0	6	7	0	0	2
Douglas	7	29	7	8	13	49	1	3	7
Edwards	0	4	0	1	1	2	0	0	0
Elk	0	1	0	1	1	2	0	1	0
Ellis	0	15	10	0	11	20	0	5	4
Ellsworth	0	6	0	1	0	5	0	1	2
Finney	0	9	0	1	4	7	0	2	7
Ford	2	15	0	1	3	7	0	1	4
Franklin	0	13	5	2	5	31	1	2	6
Geary	3	8	1	1	4	13	1	4	4
Gove	0	1	0	0	1	1	0	0	0
Graham	1	1	0	0	4	3	0	1	0
Grant	0	1	0	0	0	5	0	0	2
Gray	0	1	0	0	1	4	0	0	0
Greeley	0	0	0	0	0	2	0	0	0
Greenwood	0	9	0	0	5	9	0	0	0
Hamilton	0	1	0	0	1	4	0	0	0
Harper	3	2	0	1	1	9	0	1	5
Harvey	1	35	2	3	8	19	0	3	11
Haskell	0	0	0	0	2	2	0	0	0
Hodgeman	0	1	2	0	1	1	0	0	2
Jackson	1	6	0	1	3	9	0	1	3
Jefferson	0	8	0	2	1	9	1	3	3
Jewell	0	2	0	0	2	3	0	0	0
Johnson	19	192	323	20	71	185	0	35	78
Kearny	0	2	0	0	2	5	0	0	0
Kingman	0	7	0	1	3	11	0	4	2
Kiowa	0	3	0	0	2	0	0	0	0
Labette	3	20	0	2	6	19	1	2	3
Lane	0	4	1	0	0	1	0	0	0
Leavenworth	2	22	7	6	7	38	2	9	6
Lincoln	0	2	0	0	2	3	0	0	1
Linn	0	7	1	0	6	7	0	0	2
Logan	0	3	0	0	2	4	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	Selected Causes of Death (ICD-10)								
	Primary Hypertension/ Hypertensive Renal Disease & Secondary Hypertension (I10, I12, I15)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J09-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Lyon	0	13	0	3	3	21	0	5	8
McPherson	0	27	1	3	4	17	2	1	8
Marion	1	13	1	2	1	17	0	0	6
Marshall	0	5	0	1	8	7	0	0	1
Meade	1	2	0	0	0	7	0	1	3
Miami	2	4	4	2	3	19	1	0	5
Mitchell	1	6	0	5	4	6	0	1	4
Montgomery	1	27	0	5	8	34	0	7	11
Morris	1	1	1	0	4	5	0	1	1
Morton	0	0	0	0	1	1	0	0	0
Nemaha	0	12	0	0	3	6	0	0	1
Neosho	0	8	1	2	7	7	1	1	8
Ness	0	2	0	0	1	3	0	0	0
Norton	0	3	0	1	1	5	0	0	2
Osage	1	26	0	2	2	7	0	2	6
Osborne	1	2	0	0	2	2	0	1	1
Ottawa	0	9	0	0	2	8	0	0	1
Pawnee	5	1	0	1	1	8	0	1	2
Phillips	0	0	3	1	1	1	0	0	1
Pottawatomie	1	13	0	1	3	19	0	2	4
Pratt	0	7	0	2	3	10	0	3	1
Rawlins	0	0	0	1	1	0	0	1	0
Reno	5	40	4	8	29	63	1	13	11
Republic	1	6	0	1	11	4	0	0	3
Rice	2	8	0	0	5	7	0	1	3
Riley	4	18	0	2	11	11	1	1	10
Rooks	0	3	1	1	4	5	1	1	2
Rush	0	3	0	0	1	3	0	0	1
Russell	0	7	0	0	4	5	0	1	2
Saline	6	27	5	3	8	30	0	5	8
Scott	0	1	0	0	4	3	0	0	1
Sedgwick	32	194	19	29	99	299	1	36	117
Seward	3	4	1	1	3	4	0	1	3
Shawnee	14	98	1	11	32	119	2	22	40
Sheridan	0	1	0	0	3	4	0	0	0
Sherman	0	1	0	0	2	6	0	1	1
Smith	0	5	0	1	2	3	0	0	2
Stafford	0	6	0	1	0	3	0	0	1
Stanton	1	2	0	0	2	0	0	1	0
Stevens	0	0	0	1	1	5	0	0	0
Sumner	2	11	2	1	12	18	0	4	12
Thomas	0	3	1	0	0	10	0	0	1
Trego	0	4	0	0	2	3	0	1	2
Wabaunsee	0	5	0	1	0	6	0	1	3
Wallace	0	0	0	0	0	2	0	0	0
Washington	0	2	0	2	2	6	0	1	0
Wichita	0	0	0	0	2	4	0	0	1
Wilson	0	2	0	1	8	15	0	1	6
Woodson	0	0	1	3	0	4	0	0	2
Wyandotte	11	54	35	12	22	55	1	13	35
n.s.	0	0	0	0	0	0	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects ^T	Suicide (U03, X60-X84, Y87.0)	Homicide (U01-U03, X85-Y09, Y87.1)	All Other Causes
Kansas	6	88	123	692	410	894	505	110	4,215
Allen	0	1	0	3	1	8	5	0	31
Anderson	0	1	0	1	1	2	4	0	14
Atchison	0	1	1	0	5	6	4	0	31
Barber	0	0	0	1	2	4	1	1	8
Barton	1	0	1	3	11	4	8	0	52
Bourbon	0	0	2	13	1	6	2	0	23
Brown	0	0	0	3	6	3	3	0	11
Butler	1	0	2	29	12	22	10	1	100
Chase	0	0	0	0	0	1	0	0	3
Chautauqua	0	0	0	0	0	3	1	0	6
Cherokee	0	0	0	8	6	5	3	1	38
Cheyenne	0	0	1	4	0	2	0	0	6
Clark	0	0	0	0	0	0	1	0	3
Clay	0	0	1	2	0	2	1	0	13
Cloud	0	0	1	10	1	5	1	0	24
Coffey	0	0	0	0	0	4	2	0	20
Comanche	0	0	0	2	1	0	0	0	1
Cowley	0	2	0	12	7	20	6	0	46
Crawford	0	0	0	8	4	13	3	1	59
Decatur	0	0	1	1	0	2	1	0	9
Dickinson	0	0	1	3	5	13	3	0	42
Doniphan	0	0	0	1	1	0	0	0	10
Douglas	0	6	3	12	7	26	16	0	133
Edwards	0	1	2	0	2	1	0	0	3
Elk	0	0	0	2	2	2	1	0	3
Ellis	0	3	0	2	5	4	7	0	53
Ellsworth	0	1	1	0	1	5	1	0	12
Finney	0	3	3	4	9	13	5	1	36
Ford	0	3	0	5	10	10	11	1	28
Franklin	0	1	1	3	3	11	7	0	42
Geary	0	1	1	2	6	4	5	2	29
Gove	0	0	0	2	0	2	0	1	5
Graham	0	0	0	2	0	1	0	0	7
Grant	0	1	1	1	0	1	3	0	15
Gray	0	0	0	1	1	1	1	0	15
Greeley	0	0	0	0	0	0	1	0	3
Greenwood	0	1	0	3	1	0	2	1	21
Hamilton	0	0	0	1	1	2	0	0	6
Harper	0	1	0	0	0	3	0	0	15
Harvey	0	0	2	6	5	20	5	0	60
Haskell	0	0	1	0	1	0	0	1	3
Hodgeman	0	0	0	1	0	0	0	0	0
Jackson	0	0	1	3	3	4	1	0	29
Jefferson	0	0	1	4	7	5	4	0	33
Jewell	0	0	0	0	1	1	0	0	5
Johnson	0	12	19	60	29	102	92	10	643
Kearny	0	0	0	0	4	1	1	0	7
Kingman	0	0	0	1	6	7	0	0	16
Kiowa	0	0	0	0	1	3	0	0	5
Labette	0	2	2	7	7	7	5	0	50
Lane	0	0	0	0	0	0	1	1	3
Leavenworth	0	0	1	17	11	21	16	5	75
Lincoln	0	0	0	1	0	2	1	0	5
Linn	0	0	1	1	3	3	2	0	19
Logan	0	0	0	0	0	1	0	0	4

Table 73
Selected Causes of Death by County of Residence
Kansas, 2012

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects †	Suicide (U03, X60-X84, Y87.0)	Homicide (U01-U03, X85-Y09, Y87.1)	All Other Causes
Lyon	0	2	2	5	2	8	9	1	46
McPherson	1	1	1	8	6	7	2	1	76
Marion	0	0	0	5	4	2	4	0	25
Marshall	0	0	0	2	2	6	0	0	36
Meade	0	0	0	0	1	0	0	0	3
Miami	0	3	0	4	3	8	5	0	27
Mitchell	0	0	0	1	2	1	1	0	27
Montgomery	0	1	1	12	9	17	3	3	81
Morris	0	0	0	1	1	2	4	0	11
Morton	0	1	0	1	0	1	0	0	7
Nemaha	0	1	2	1	0	5	1	0	36
Neosho	0	0	0	8	0	10	1	0	31
Ness	0	1	0	0	0	0	1	0	8
Norton	0	0	0	2	1	2	1	0	15
Osage	0	0	1	1	4	6	2	0	23
Osborne	0	0	1	0	3	0	0	0	6
Ottawa	0	1	0	2	3	1	1	0	7
Pawnee	0	0	1	6	3	6	2	0	4
Phillips	0	0	1	1	1	5	2	0	12
Pottawatomie	0	1	0	4	4	7	2	0	28
Pratt	0	0	0	1	1	8	1	0	14
Rawlins	0	0	0	2	0	0	1	0	7
Reno	0	1	0	62	12	32	11	1	108
Republic	0	0	0	3	3	0	1	0	16
Rice	0	0	0	3	6	4	2	0	26
Riley	0	4	5	7	2	11	9	1	63
Rooks	0	1	0	0	3	4	1	1	10
Rush	0	0	0	2	0	3	3	0	11
Russell	0	0	0	0	3	7	5	0	19
Saline	0	1	0	15	10	18	14	2	87
Scott	1	0	1	3	3	7	0	0	8
Sedgwick	1	17	28	137	47	173	88	29	673
Seward	0	2	3	0	12	6	2	0	24
Shawnee	1	6	5	34	18	54	37	20	352
Sheridan	0	1	0	1	2	0	0	0	3
Sherman	0	0	1	5	2	3	1	1	11
Smith	0	0	1	1	2	5	1	0	10
Stafford	0	0	0	1	1	4	1	0	12
Stanton	0	0	0	0	0	0	1	0	3
Stevens	0	0	0	1	1	0	1	0	7
Sumner	0	0	1	8	5	11	7	0	42
Thomas	0	0	0	4	1	1	1	0	10
Trego	0	0	0	1	0	3	0	0	12
Wabaunsee	0	0	0	2	1	4	3	0	15
Wallace	0	0	0	3	1	0	0	0	4
Washington	0	0	0	1	3	3	0	0	5
Wichita	0	0	1	0	1	0	0	0	5
Wilson	0	0	0	3	0	3	0	0	17
Woodson	0	0	0	1	1	4	0	0	5
Wyandotte	0	2	16	82	30	44	26	23	194
n.s.	0	0	0	0	0	0	0	0	0

* Motor-Vehicle ICD-10 Codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

† All Other Accidents: V01, V05-V06, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

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MARRIAGES & MARRIAGE DISSOLUTIONS

Table 74
Marriages by Number and Rate*
by County of Marriage and by Peer Group†
Kansas, 2008-2012

County of Marriage	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Kansas	18,717	6.7	18,268	6.5	18,150	6.4	17,897	6.2	18,154	6.3	6.4	
Allen	62	4.7	56	4.2	68	5.1	60	4.5	57	4.3	4.6	
Anderson	50	6.3	41	5.2	33	4.1	56	6.9	53	6.7	5.8	
Atchison	121	7.3	100	6.1	100	5.9	88	5.2	120	7.1	6.3	
Barber	53	11.3	39	8.5	39	8.0	41	8.4	29	6.0	8.4	
Barton	191	6.9	212	7.7	216	7.8	202	7.3	183	6.6	7.3	
Bourbon	137	9.2	128	8.6	88	5.8	94	6.3	98	6.6	7.3	
Brown	67	6.7	67	6.7	81	8.1	67	6.7	53	5.4	6.7	
Butler	364	5.7	401	6.3	397	6.0	394	6.0	421	6.4	6.1	
Chase	27	9.6	22	7.9	24	8.6	29	10.3	32	11.6	9.6	
Chautauqua	21	5.6	25	6.7	28	7.6	23	6.4	25	7.0	6.7	
Cherokee	114	5.4	98	4.7	114	5.3	85	4.0	75	3.5	4.6	
Cheyenne	21	7.7	11	4.1	9	3.3	19	7.0	12	4.5	5.3	
Clark	6	2.8	10	4.8	16	7.2	13	6.1	8	3.7	4.9	
Clay	65	7.3	56	6.4	67	7.9	90	10.5	59	6.9	7.8	
Cloud	67	7.1	55	5.9	55	5.8	59	6.3	57	6.1	6.2	
Coffey	57	6.8	57	6.8	51	5.9	48	5.6	40	4.7	6.0	
Comanche	12	6.2	15	8.0	13	6.9	11	5.8	17	8.9	7.1	
Cowley	237	7.0	244	7.3	219	6.0	257	7.1	241	6.6	6.8	
Crawford	217	5.6	198	5.1	199	5.1	180	4.6	174	4.4	5.0	
Decatur	20	6.9	21	7.4	17	5.7	18	6.2	18	6.3	6.5	
Dickinson	148	7.7	135	7.1	147	7.4	164	8.3	134	6.8	7.5	
Doniphan	45	5.8	63	8.3	44	5.5	54	6.8	46	5.8	6.4	
Douglas	710	6.2	750	6.4	773	7.0	750	6.7	795	7.0	6.7	
Edwards	18	5.8	16	5.2	21	6.9	19	6.3	13	4.4	5.7	
Elk	17	5.6	19	6.3	12	4.2	17	6.0	13	4.8	5.4	
Ellis	208	7.5	225	8.1	204	7.2	194	6.7	199	6.8	7.3	
Ellsworth	37	5.9	44	7.1	34	5.2	38	5.9	53	8.2	6.5	
Finney	272	6.6	256	6.1	232	6.3	250	6.7	276	7.4	6.6	
Ford	267	8.0	268	8.0	252	7.4	258	7.5	284	8.2	7.8	
Franklin	170	6.4	180	6.8	158	6.1	163	6.3	153	5.9	6.3	
Geary	617	19.8	646	20.3	687	20.0	548	15.5	685	18.0	18.7	
Gove	15	5.9	16	6.5	10	3.7	11	4.1	13	4.8	4.9	
Graham	28	10.8	15	6.2	20	7.7	17	6.4	17	6.6	7.6	
Grant	55	7.4	55	7.5	59	7.5	47	5.9	47	5.9	6.8	
Gray	35	6.2	28	4.7	33	5.5	32	5.2	56	9.3	6.2	
Greeley	4	3.2	4	3.2	3	2.4	8	6.4	8	6.2	4.3	
Greenwood	35	5.1	39	5.9	38	5.7	46	6.9	39	6.0	5.9	
Hamilton	16	6.1	18	6.9	14	5.2	17	6.4	9	3.4	5.6	
Harper	47	8.0	50	8.8	36	6.0	37	6.2	35	5.9	7.0	
Harvey	249	7.4	238	6.9	240	6.9	228	6.5	237	6.8	6.9	
Haskell	24	6.1	16	4.0	30	7.0	29	6.8	30	7.0	6.2	
Hodgeman	9	4.6	12	6.3	14	7.3	11	5.6	9	4.6	5.7	
Jackson	80	6.0	84	6.3	81	6.0	78	5.8	75	5.6	5.9	
Jefferson	118	6.4	107	5.9	120	6.3	99	5.2	108	5.7	5.9	
Jewell	12	3.8	15	4.9	17	5.5	22	7.1	13	4.3	5.1	
Johnson	2,611	4.9	2,572	4.7	2,456	4.5	2,456	4.4	2,490	4.4	4.6	
Kearny	26	6.3	15	3.6	26	6.5	23	5.8	20	5.0	5.4	
Kingman	42	5.4	42	5.5	43	5.5	41	5.2	41	5.2	5.4	
Kiowa	6	2.4	14	6.0	9	3.5	9	3.5	16	6.4	4.3	
Labette	111	5.1	118	5.4	97	4.5	116	5.4	125	5.9	5.2	
Lane	5	2.9	11	6.3	13	7.4	5	2.9	9	5.3	4.9	
Leavenworth	436	5.9	440	5.8	399	5.2	445	5.8	424	5.5	5.6	
Lincoln	11	3.4	20	6.4	15	4.6	19	5.9	14	4.4	4.9	
Linn	49	5.1	36	3.9	46	4.8	47	4.9	55	5.8	4.9	
Logan	23	8.9	24	9.4	26	9.4	28	10.1	20	7.2	9.0	

Table 74
Marriages by Number and Rate*
by County of Marriage and by Peer Group†
Kansas, 2008-2012

County of Marriage	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Lyon	238	6.7	204	6.1	237	7.0	207	6.1	220	6.5	6.5	
McPherson	202	7.0	210	7.3	171	5.9	191	6.5	174	5.9	6.5	
Marion	69	5.7	63	5.3	66	5.2	59	4.7	67	5.4	5.3	
Marshall	57	5.6	62	6.1	77	7.6	71	7.1	76	7.6	6.8	
Meade	38	8.7	28	6.4	26	5.7	30	6.6	30	6.8	6.8	
Miami	239	7.7	227	7.3	235	7.2	246	7.5	217	6.7	7.3	
Mitchell	44	7.0	47	7.4	49	7.7	42	6.7	33	5.2	6.8	
Montgomery	240	7.0	278	8.1	219	6.2	247	7.1	234	6.8	7.0	
Morris	33	5.5	41	6.8	30	5.1	42	7.1	38	6.5	6.2	
Morton	16	5.4	28	9.2	25	7.7	27	8.4	17	5.4	7.2	
Nemaha	77	7.6	74	7.4	77	7.6	55	5.4	79	7.8	7.2	
Neosho	115	7.1	95	5.9	111	6.7	117	7.1	83	5.1	6.4	
Ness	15	5.1	21	7.4	11	3.5	16	5.1	17	5.5	5.3	
Norton	31	5.8	18	3.4	33	5.8	40	7.1	29	5.2	5.5	
Osage	80	4.9	67	4.2	85	5.2	73	4.5	92	5.7	4.9	
Osborne	26	6.8	28	7.3	20	5.2	29	7.5	19	5.0	6.4	
Ottawa	30	5.0	32	5.4	38	6.2	32	5.2	30	4.9	5.3	
Pawnee	29	4.6	54	8.7	45	6.5	33	4.7	24	3.5	5.5	
Phillips	36	6.7	33	6.3	35	6.2	27	4.9	30	5.4	5.9	
Pottawatomie	112	5.7	85	4.3	101	4.7	91	4.2	107	4.8	4.7	
Pratt	75	8.0	70	7.5	77	8.0	65	6.7	66	6.8	7.4	
Rawlins	13	5.2	12	4.9	13	5.2	21	8.4	19	7.4	6.2	
Reno	477	7.5	421	6.6	434	6.7	488	7.6	402	6.2	6.9	
Republic	46	9.6	22	4.6	24	4.8	22	4.5	26	5.4	5.7	
Rice	56	5.6	52	5.2	35	3.5	42	4.2	38	3.8	4.4	
Riley	620	8.7	680	9.5	664	9.3	647	8.9	751	9.9	9.3	
Rooks	34	6.6	27	5.4	28	5.4	29	5.6	26	5.0	5.6	
Rush	17	5.3	12	3.8	13	3.9	23	7.1	15	4.7	5.0	
Russell	59	8.9	44	6.7	35	5.0	58	8.3	47	6.8	7.1	
Saline	420	7.7	375	6.9	398	7.2	392	7.0	340	6.1	7.0	
Scott	42	9.2	27	5.9	42	8.5	24	4.9	42	8.5	7.4	
Sedgwick	3,644	7.5	3,488	7.1	3,393	6.8	3,311	6.6	3,372	6.7	6.9	
Seward	198	8.6	167	7.3	182	7.9	156	6.7	183	7.8	7.6	
Shawnee	1,156	6.6	1,132	6.4	1,178	6.6	1,092	6.1	1,117	6.2	6.4	
Sheridan	17	6.8	14	5.7	12	4.7	13	5.1	16	6.3	5.7	
Sherman	37	6.2	47	8.0	44	7.3	30	5.0	46	7.5	6.8	
Smith	21	5.4	18	4.8	31	8.0	18	4.7	14	3.7	5.3	
Stafford	23	5.3	28	6.4	25	5.6	22	5.0	19	4.4	5.4	
Stanton	13	6.1	14	6.6	16	7.2	8	3.6	18	8.3	6.3	
Stevens	26	5.1	33	6.4	43	7.5	39	6.9	42	7.3	6.7	
Sumner	182	7.7	187	8.0	192	8.0	163	6.9	176	7.4	7.6	
Thomas	58	8.0	39	5.3	49	6.2	50	6.3	60	7.6	6.7	
Trego	19	6.6	23	7.9	13	4.3	23	7.8	15	5.0	6.3	
Wabaunsee	36	5.2	43	6.3	47	6.7	41	5.8	35	5.0	5.8	
Wallace	7	5.0	10	7.1	11	7.4	9	5.9	11	7.3	6.5	
Washington	43	7.4	32	5.6	40	6.9	42	7.2	38	6.6	6.8	
Wichita	20	9.3	17	8.1	8	3.6	14	6.2	8	3.5	6.1	
Wilson	57	5.9	68	7.2	59	6.3	46	4.9	43	4.7	5.8	
Woodson	23	7.0	17	5.2	23	7.0	17	5.2	19	5.8	6.0	
Wyandotte	1,086	7.0	1,007	6.5	1,087	6.9	1,157	7.3	1,199	7.5	7.1	
n.s.	0	n/a	0	n/a	0	n/a	0	n/a	2	n/a	n/a	
Peer Group												
Frontier	551	6.4	542	6.4	680	6.0	718	6.3	644	5.7	6.1	
Rural	1,752	6.4	1,668	6.2	1,492	6.3	1,438	6.1	1,441	6.1	6.2	
Densely -Settled Rural	2,920	6.9	2,821	6.6	3,061	6.4	2,997	6.3	3,056	6.4	6.5	
Semi-Urban	4,287	7.7	4,288	7.7	3,631	7.9	3,533	7.6	3,614	7.7	7.7	
Urban	9,207	6.3	8,949	6.0	9,286	5.9	9,211	5.8	9,397	5.9	6.0	

* Rate per 1,000 population

† See Technical Notes for Peer Group definition.

Table 75
 Marriage Dissolutions by Number and Rate*
 by County of Action and by Peer Group†
 Kansas, 2008-2012

County of Action	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Kansas	9,818	3.5	10,333	3.7	10,579	3.7	10,445	3.6	9,782	3.4	3.6	
Allen	32	2.4	43	3.3	32	2.4	28	2.1	25	1.9	2.4	
Anderson	36	4.5	28	3.6	41	5.1	33	4.1	31	3.9	4.2	
Atchison	51	3.1	59	3.6	42	2.5	47	2.8	44	2.6	2.9	
Barber.	9	1.9	17	3.7	20	4.1	17	3.5	16	3.3	3.3	
Barton	102	3.7	91	3.3	84	3.0	70	2.5	37	1.3	2.8	
Bourbon	76	5.1	84	5.6	66	4.3	67	4.5	52	3.5	4.6	
Brown	35	3.5	25	2.5	16	1.6	18	1.8	25	2.5	2.4	
Butler	192	3.0	169	2.6	155	2.4	197	3.0	161	2.4	2.7	
Chase	6	2.1	8	2.9	5	1.8	2	0.7	3	1.1	1.7	
Chautauqua	12	3.2	11	2.9	17	4.6	19	5.3	15	4.2	4.0	
Cherokee	82	3.9	70	3.3	83	3.8	90	4.2	77	3.6	3.8	
Cheyenne	8	2.9	14	5.2	12	4.4	11	4.0	4	1.5	3.6	
Clark	6	2.8	3	1.4	3	1.4	7	3.3	7	3.2	2.4	
Clay	27	3.0	17	2.0	18	2.1	21	2.4	17	2.0	2.3	
Cloud	27	2.9	38	4.1	23	2.4	46	4.9	38	4.0	3.7	
Coffey	152	18.1	104	12.3	124	14.4	84	9.8	82	9.6	12.9	
Comanche	6	3.1	17	9.1	3	1.6	4	2.1	4	2.1	3.6	
Cowley	152	4.5	131	3.9	150	4.1	155	4.3	151	4.2	4.2	
Crawford	168	4.3	145	3.7	154	3.9	135	3.4	131	3.3	3.8	
Decatur	7	2.4	12	4.2	12	4.1	11	3.8	7	2.4	3.4	
Dickinson	104	5.4	84	4.4	96	4.9	66	3.3	69	3.5	4.3	
Doniphan	14	1.8	28	3.7	31	3.9	21	2.6	18	2.3	2.9	
Douglas	290	2.5	282	2.4	291	2.6	270	2.4	247	2.2	2.4	
Edwards	18	5.8	9	2.9	11	3.6	7	2.3	17	5.7	4.1	
Elk	14	4.6	5	1.7	6	2.1	12	4.3	6	2.2	3.0	
Ellis	94	3.4	94	3.4	89	3.1	93	3.2	78	2.7	3.2	
Ellsworth	51	8.2	38	6.1	47	7.2	46	7.1	41	6.3	7.0	
Finney	116	2.8	122	2.9	108	2.9	107	2.9	92	2.5	2.8	
Ford	110	3.3	109	3.2	131	3.9	116	3.4	112	3.2	3.4	
Franklin	163	6.1	160	6.1	143	5.5	144	5.6	124	4.8	5.6	
Geary	400	12.8	365	11.5	384	11.2	379	10.7	380	10.0	11.2	
Gove	6	2.4	5	2.0	7	2.6	7	2.6	4	1.5	2.2	
Graham	11	4.2	8	3.3	12	4.6	13	4.9	11	4.3	4.3	
Grant	12	1.6	18	2.4	17	2.2	23	2.9	11	1.4	2.1	
Gray	18	3.2	23	3.8	19	3.2	16	2.6	12	2.0	2.9	
Greeley	7	5.5	0	0.0	2	1.6	3	2.4	0	0.0	1.9	
Greenwood	32	4.7	26	3.9	24	3.6	15	2.3	14	2.2	3.3	
Hamilton	8	3.0	2	0.8	4	1.5	11	4.1	10	3.8	2.6	
Harper	23	3.9	14	2.5	17	2.8	24	4.0	22	3.7	3.4	
Harvey	91	2.7	100	2.9	93	2.7	105	3.0	100	2.9	2.8	
Haskell	3	0.8	7	1.7	10	2.3	6	1.4	6	1.4	1.5	
Hodgeman	9	4.6	4	2.1	12	6.3	5	2.5	6	3.1	3.7	
Jackson	30	2.3	41	3.1	33	2.5	32	2.4	29	2.2	2.5	
Jefferson	36	2.0	41	2.3	65	3.4	56	3.0	39	2.1	2.5	
Jewell	19	6.0	9	2.9	8	2.6	10	3.2	18	5.9	4.2	
Johnson	1,002	1.9	1,406	2.6	1,620	3.0	1,799	3.3	1,603	2.9	2.7	
Kearny	6	1.4	3	0.7	13	3.3	7	1.8	10	2.5	1.9	
Kingman	25	3.2	27	3.6	29	3.7	30	3.8	31	3.9	3.7	
Kiowa	4	1.6	5	2.2	7	2.7	5	2.0	7	2.8	2.2	
Labette	104	4.8	96	4.4	95	4.4	83	3.9	52	2.4	4.0	
Lane	13	7.5	9	5.2	8	4.6	7	4.0	5	2.9	4.8	
Leavenworth	279	3.8	298	4.0	321	4.2	313	4.1	299	3.8	4.0	
Lincoln	9	2.8	6	1.9	11	3.4	9	2.8	9	2.8	2.7	
Linn	27	2.8	29	3.1	36	3.7	27	2.8	22	2.3	3.0	
Logan	5	1.9	12	4.7	8	2.9	8	2.9	8	2.9	3.0	

Table 75
 Marriage Dissolutions by Number and Rate*
 by County of Action and by Peer Group†
 Kansas, 2008-2012

County of Action	Year										5-Year Rate	
	2008		2009		2010		2011		2012			
	Number	Rate										
Lyon	82	2.3	103	3.1	76	2.3	108	3.2	71	2.1	2.6	
McPherson	103	3.5	86	3.0	90	3.1	99	3.4	85	2.9	3.2	
Marion	45	3.7	36	3.0	29	2.3	28	2.2	37	3.0	2.8	
Marshall	46	4.5	35	3.5	28	2.8	25	2.5	32	3.2	3.3	
Meade	7	1.6	10	2.3	11	2.4	13	2.9	14	3.2	2.5	
Miami	114	3.7	129	4.2	143	4.4	126	3.9	113	3.5	3.9	
Mitchell	29	4.6	24	3.8	25	3.9	11	1.7	28	4.4	3.7	
Montgomery	137	4.0	140	4.1	132	3.7	149	4.3	161	4.7	4.1	
Morris	15	2.5	17	2.8	15	2.5	7	1.2	18	3.1	2.4	
Morton	10	3.4	9	3.0	14	4.3	7	2.2	5	1.6	2.9	
Nemaha	40	4.0	24	2.4	37	3.6	32	3.2	33	3.3	3.3	
Neosho	61	3.8	75	4.7	67	4.1	54	3.3	59	3.6	3.9	
Ness	9	3.1	10	3.5	6	1.9	11	3.5	12	3.9	3.2	
Norton	34	6.3	30	5.6	27	4.8	32	5.7	25	4.5	5.4	
Osage	83	5.1	86	5.3	92	5.6	77	4.7	70	4.3	5.0	
Osborne	11	2.9	6	1.6	14	3.6	12	3.1	10	2.6	2.8	
Ottawa	9	1.5	10	1.7	14	2.3	13	2.1	19	3.1	2.1	
Pawnee	31	4.9	33	5.3	41	5.9	31	4.4	34	4.9	5.1	
Phillips	16	3.0	26	4.9	21	3.7	13	2.3	18	3.3	3.4	
Pottawatomie	35	1.8	57	2.9	58	2.7	54	2.5	66	3.0	2.6	
Pratt	43	4.6	42	4.5	31	3.2	42	4.3	34	3.5	4.0	
Rawlins	8	3.2	8	3.3	1	0.4	4	1.6	10	3.9	2.5	
Reno	327	5.2	329	5.2	331	5.1	278	4.3	230	3.6	4.7	
Republic	18	3.7	19	4.0	13	2.6	19	3.9	10	2.1	3.2	
Rice	29	2.9	34	3.4	33	3.3	20	2.0	15	1.5	2.6	
Riley	197	2.8	220	3.1	245	3.4	279	3.8	278	3.7	3.4	
Rooks	17	3.3	20	4.0	13	2.5	16	3.1	18	3.4	3.3	
Rush	18	5.6	8	2.5	12	3.6	8	2.5	8	2.5	3.3	
Russell	20	3.0	26	3.9	28	4.0	26	3.7	17	2.4	3.4	
Saline	204	3.7	232	4.3	254	4.6	253	4.5	202	3.6	4.1	
Scot	9	2.0	22	4.8	18	3.6	17	3.5	21	4.3	3.6	
Sedgwick	2,596	5.4	2,706	5.5	2,508	5.0	2,483	5.0	2,361	4.7	5.1	
Seward	82	3.6	64	2.8	84	3.7	89	3.8	78	3.3	3.4	
Shawnee	487	2.8	531	3.0	605	3.4	538	3.0	544	3.0	3.1	
Sheridan	8	3.2	7	2.9	12	4.7	4	1.6	6	2.4	2.9	
Sherman	20	3.3	30	5.1	42	7.0	17	2.8	22	3.6	4.4	
Smith	11	2.8	6	1.6	12	3.1	16	4.2	8	2.1	2.8	
Stafford	11	2.5	7	1.6	7	1.6	10	2.3	11	2.5	2.1	
Stanton	8	3.7	6	2.8	12	5.4	8	3.6	6	2.8	3.7	
Stevens	23	4.5	12	2.3	28	4.9	22	3.9	19	3.3	3.8	
Sumner	73	3.1	95	4.0	89	3.7	61	2.6	80	3.4	3.4	
Thomas	36	4.9	33	4.5	43	5.4	30	3.8	30	3.8	4.5	
Trego	13	4.5	8	2.7	9	3.0	4	1.4	9	3.0	2.9	
Wabaunsee	19	2.7	16	2.3	20	2.8	28	4.0	9	1.3	2.6	
Wallace	3	2.1	2	1.4	6	4.0	3	2.0	4	2.6	2.5	
Washington	13	2.2	16	2.8	10	1.7	22	3.8	15	2.6	2.6	
Wichita	7	3.3	4	1.9	5	2.2	6	2.6	6	2.7	2.5	
Wilson	53	5.5	34	3.6	32	3.4	40	4.3	48	5.3	4.4	
Woodson	11	3.3	8	2.5	8	2.4	10	3.0	11	3.4	2.9	
Wyandotte	198	1.3	271	1.7	260	1.7	253	1.6	323	2.0	1.7	
n.s.	0	n/a	n/a									
Peer Group												
Frontier	284	3.3	232	2.7	381	3.3	329	2.9	330	2.9	3.0	
Rural	1,097	4.0	1,000	3.7	898	3.8	842	3.5	811	3.4	3.7	
Densely -Settled Rural	1,510	3.6	1,515	3.6	1,661	3.5	1,573	3.3	1,384	2.9	3.4	
Semi-Urban	2,354	4.2	2,390	4.3	2,034	4.4	2,045	4.4	1,880	4.0	4.3	
Urban	4,573	3.1	5,196	3.5	5,605	3.6	5,656	3.6	5,377	3.4	3.4	

* Rate per 1,000 population

† See Technical Notes for Peer Group definition.

Marriage Rates By County of Occurrence

Kansas, 2012

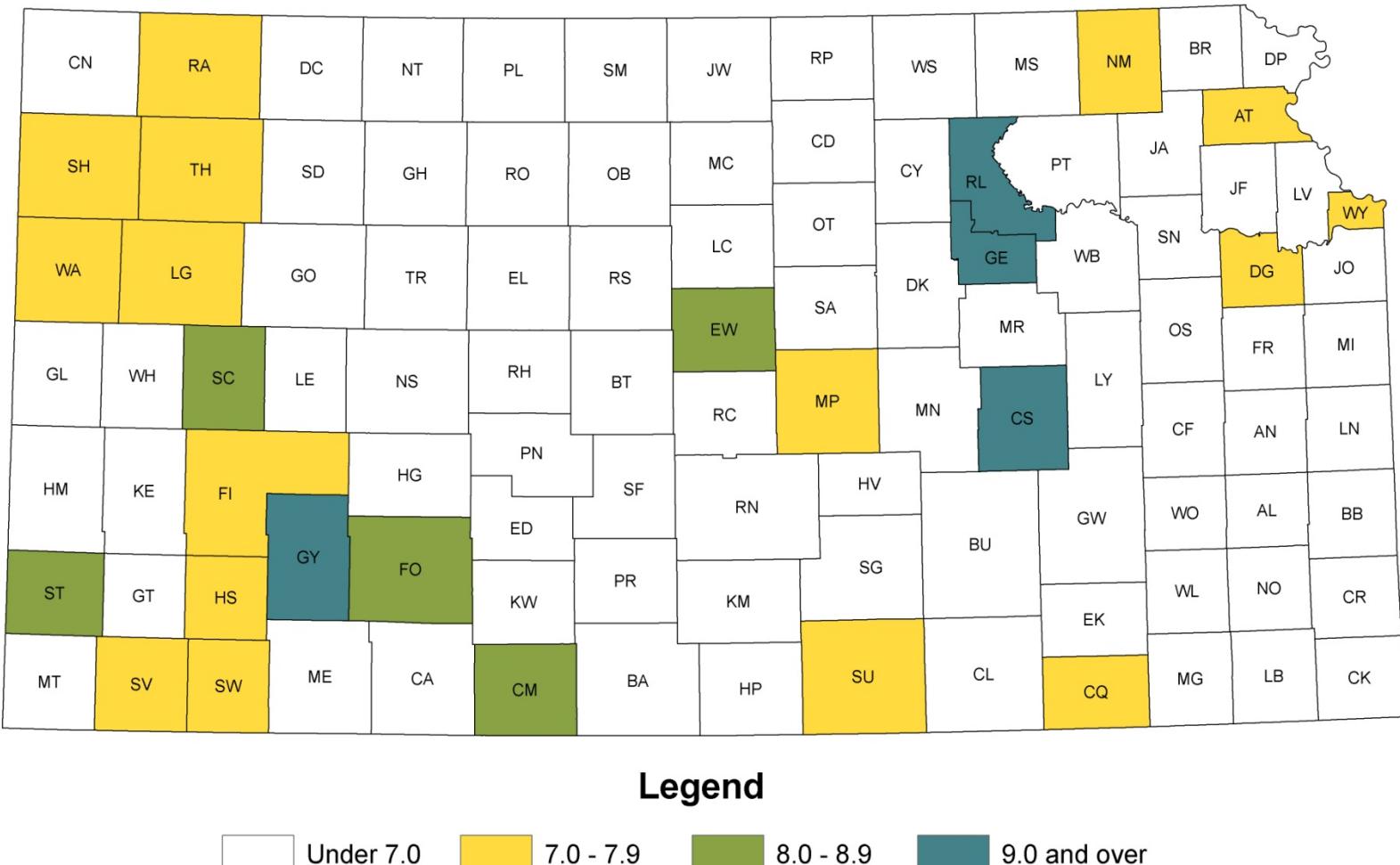
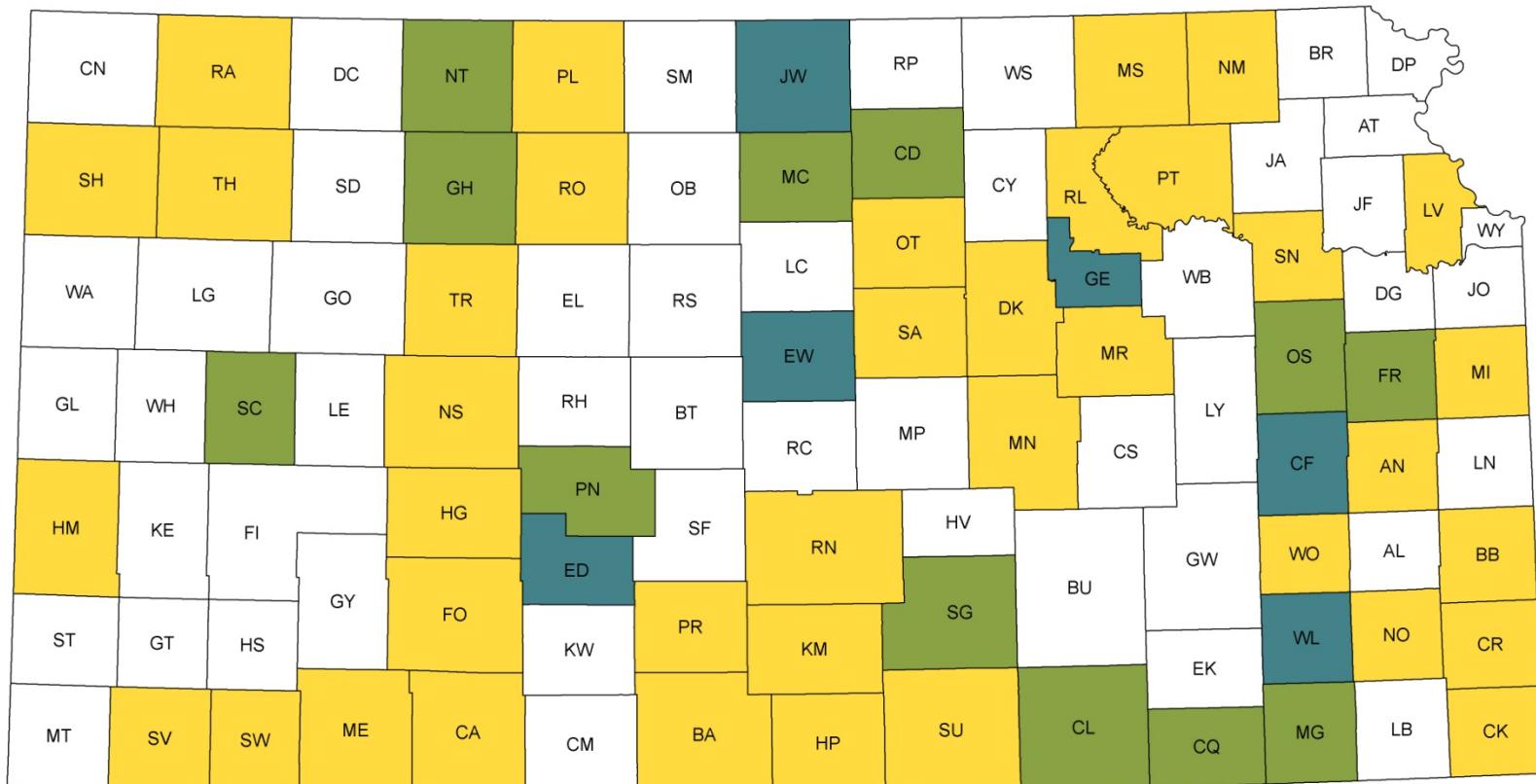


Figure 34

Marriage Dissolution Rates By County of Occurrence

Kansas, 2012



Legend



Figure 35

Marriage Rates

Kansas and the U.S., 1913-2012

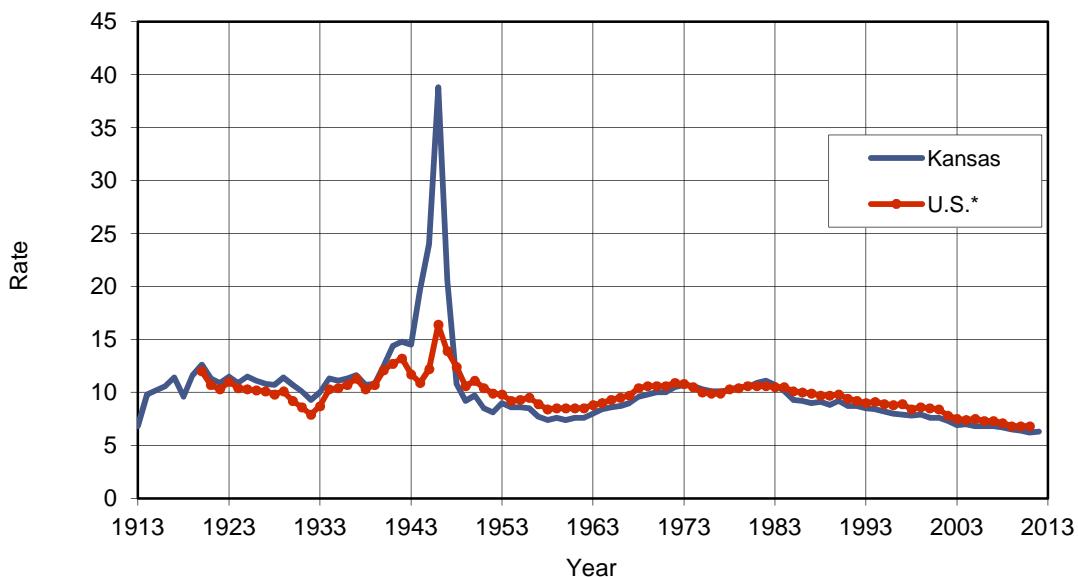


Figure 36

*1913-1919 not available, 1991-2011 Rates Provisional, 2012 Rates not yet available.

Rate per 1,000 Population

Marriage Dissolution Rates

Kansas and the U.S., 1951-2012

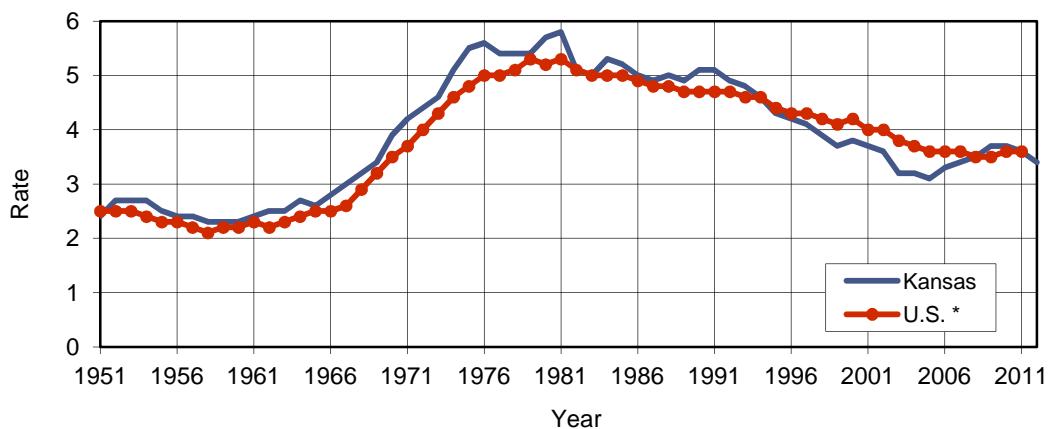


Figure 37

*1991-2011 Rates Provisional, 2012 Rates not yet available.

US rates from 2000 forward based on fewer than 50 states.

Rate per 1,000 Population

Table 76
Marriages by Population Group of Groom by Population Group of Bride
Kansas, 2012

Population Group of Groom	Total	Population Group of Bride							n.s.
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other* Non-Hispanic	Hispanic Any Race		
Total	18,154	13,611	887	120	470	414	2,595	57	
White Non-Hispanic	13,386	12,131	98	86	204	207	646	14	
Black Non-Hispanic	1,237	298	728	7	21	71	111	1	
Native American Non-Hispanic	129	98	3	14	0	3	11	0	
Asian/Pacific Non-Hispanic	324	82	6	1	211	9	15	0	
Other Non-Hispanic*	391	235	25	2	13	68	47	1	
Hispanic Any Race	2,633	754	27	10	21	56	1,764	1	
n.s.	54	13	0	0	0	0	1	40	

* Includes selection of two or more races or other non-specified race

Table 77
Marriage Dissolutions by Population Group of Husband by Population Group of Wife
Kansas, 2012

Population Group of Husband	Total	Population Group of Wife							n.s.
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other* Non-Hispanic	Hispanic Any Race		
Total	9,782	7,594	544	78	216	74	766	510	
White Non-Hispanic	7,381	6,882	35	55	81	35	226	67	
Black Non-Hispanic	730	191	462	4	13	10	35	15	
Native American Non-Hispanic	64	46	2	10	0	0	3	3	
Asian/Pacific Non-Hispanic	178	61	6	2	106	1	2	0	
Other Non-Hispanic*	96	49	13	0	3	23	4	4	
Hispanic Any Race	852	296	20	7	9	4	486	30	
n.s.	481	69	6	0	4	1	10	391	

* Includes selection of two or more races or other non-specified race

Number of Marriages by Month

Kansas, 2012

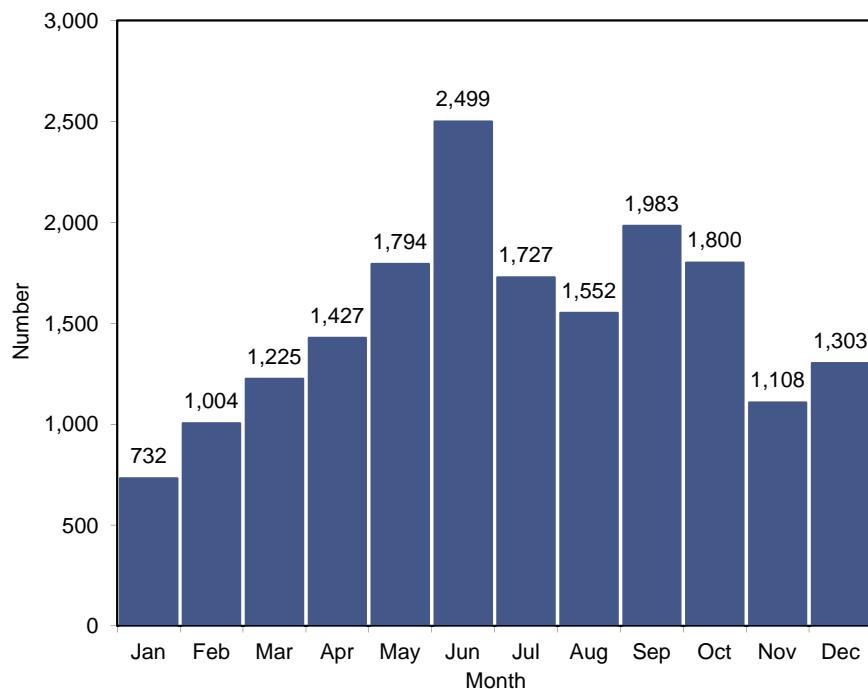


Figure 38

Table 78
Marriages by Premarital Status of Bride
by Premarital Status of Groom
Kansas, 2012

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulled	Widowed	n.s.
Total	18,154	12,045	5,513	106	476	14
Never Married	12,120	10,186	1,808	50	71	5
Divorced	5,471	1,754	3,427	37	252	1
Annulled	112	52	44	13	3	0
Widowed	441	52	234	6	149	0
n.s.	10	1	0	0	1	8

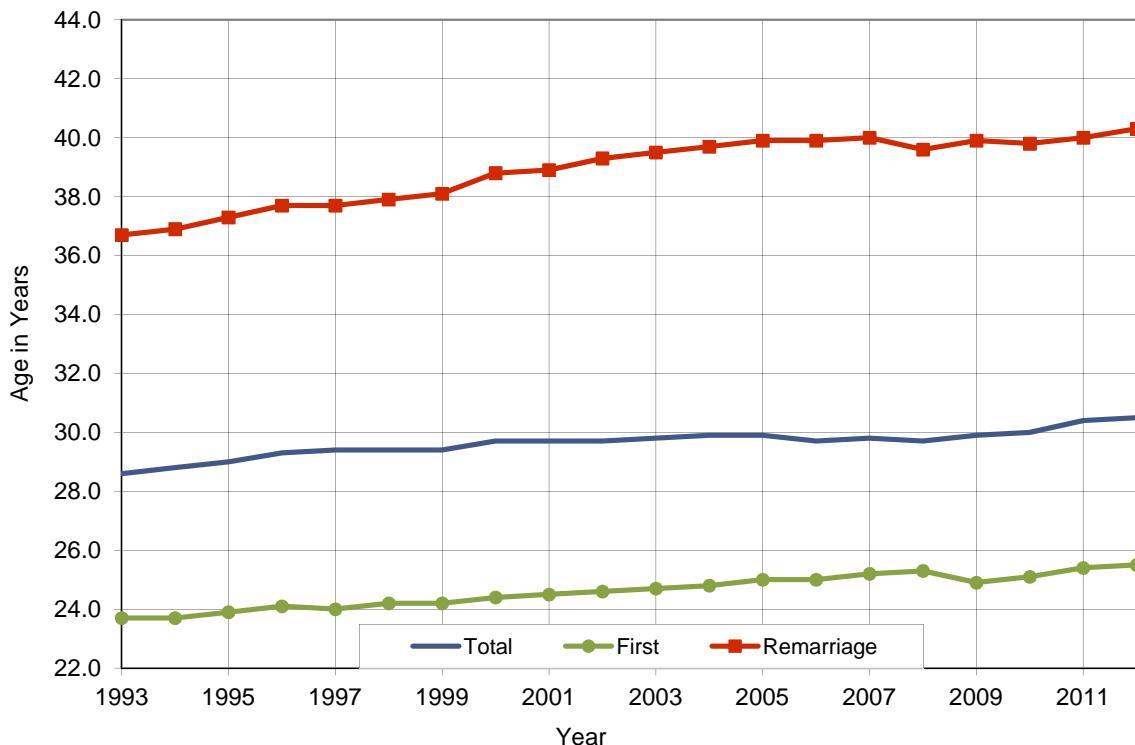
Table 79
 Marriages by Age-Group of Groom by Age-Group of Bride
 Kansas, 2012

Age-Group of Groom	Total	Age-Group of Bride													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	n.s.
Total	18,154	1,119	5,482	4,509	2,378	1,396	1,031	828	602	365	189	133	60	60	2
15-19	443	298	134	10	1	0	0	0	0	0	0	0	0	0	0
20-24	4,305	658	3,043	481	90	24	7	2	0	0	0	0	0	0	0
25-29	4,785	121	1,764	2,283	456	118	36	2	0	3	0	1	0	0	1
30-34	2,941	25	389	1,227	936	260	80	16	7	0	1	0	0	0	0
35-39	1,654	10	103	323	532	453	159	55	13	6	0	0	0	0	0
40-44	1,228	5	38	117	231	338	335	118	37	5	3	1	0	0	0
45-49	882	1	3	41	81	109	215	285	108	32	4	2	0	0	1
50-54	695	0	3	17	30	56	120	204	195	53	15	0	2	0	0
55-59	535	0	2	7	15	28	52	99	158	125	40	8	0	1	0
60-64	301	1	2	1	4	8	17	29	54	98	59	24	2	2	0
65-69	189	0	1	2	2	2	7	13	21	30	46	51	12	2	0
70-74	83	0	0	0	0	0	2	0	5	8	13	31	18	6	0
75 & Over	112	0	0	0	0	0	0	5	4	5	8	15	26	49	0
n.s.	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Average Age at Marriage

Kansas, 1993-2012

Bride



Groom

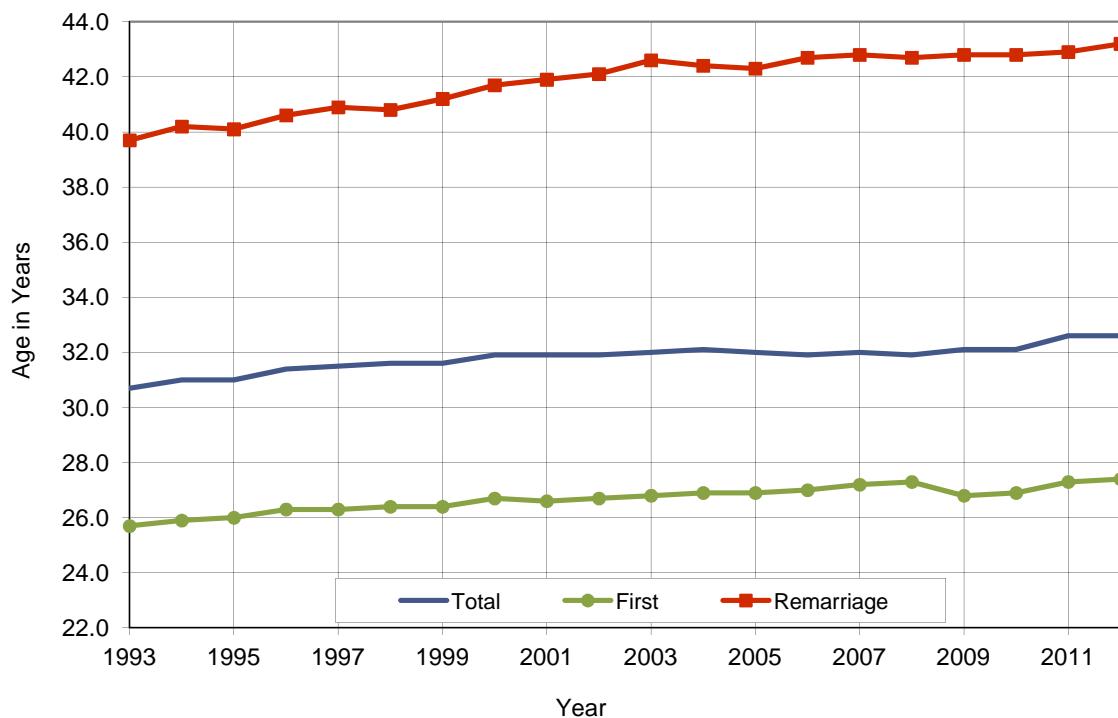


Figure 39

Table 80
 Marriage Dissolutions by Age-Group of Husband by Age-Group of Wife
 Kansas, 2012

Age-Group of Husband	Age-Group of Wife														
	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	n.s.
Total	9,782	44	980	1,602	1,680	1,373	1,363	1,008	705	455	228	101	34	30	179
15-19	15	6	6	2	0	0	0	0	0	0	0	0	0	0	1
20-24	612	32	466	72	23	6	2	2	0	0	0	0	0	0	9
25-29	1,387	4	396	755	159	33	16	5	0	1	0	0	0	0	18
30-34	1,629	1	72	521	771	165	64	11	3	1	0	0	0	0	20
35-39	1,434	0	16	157	462	540	176	49	13	1	1	0	0	0	19
40-44	1,361	0	10	55	163	406	513	141	34	16	5	1	0	0	17
45-49	1,156	0	4	21	52	141	388	384	121	22	10	1	0	0	12
50-54	889	0	3	4	24	47	118	272	290	91	21	5	1	0	13
55-59	560	1	1	2	2	15	59	96	159	171	36	6	2	0	10
60-64	326	0	0	2	2	6	12	28	53	95	96	26	2	1	3
65-69	161	0	0	0	2	4	3	9	15	37	45	34	6	1	5
70-74	58	0	0	1	0	0	0	2	7	9	7	18	10	4	0
75 & Over	59	0	0	0	0	1	1	1	1	5	5	9	11	23	2
n.s.	135	0	6	10	20	9	11	8	9	6	2	1	2	1	50

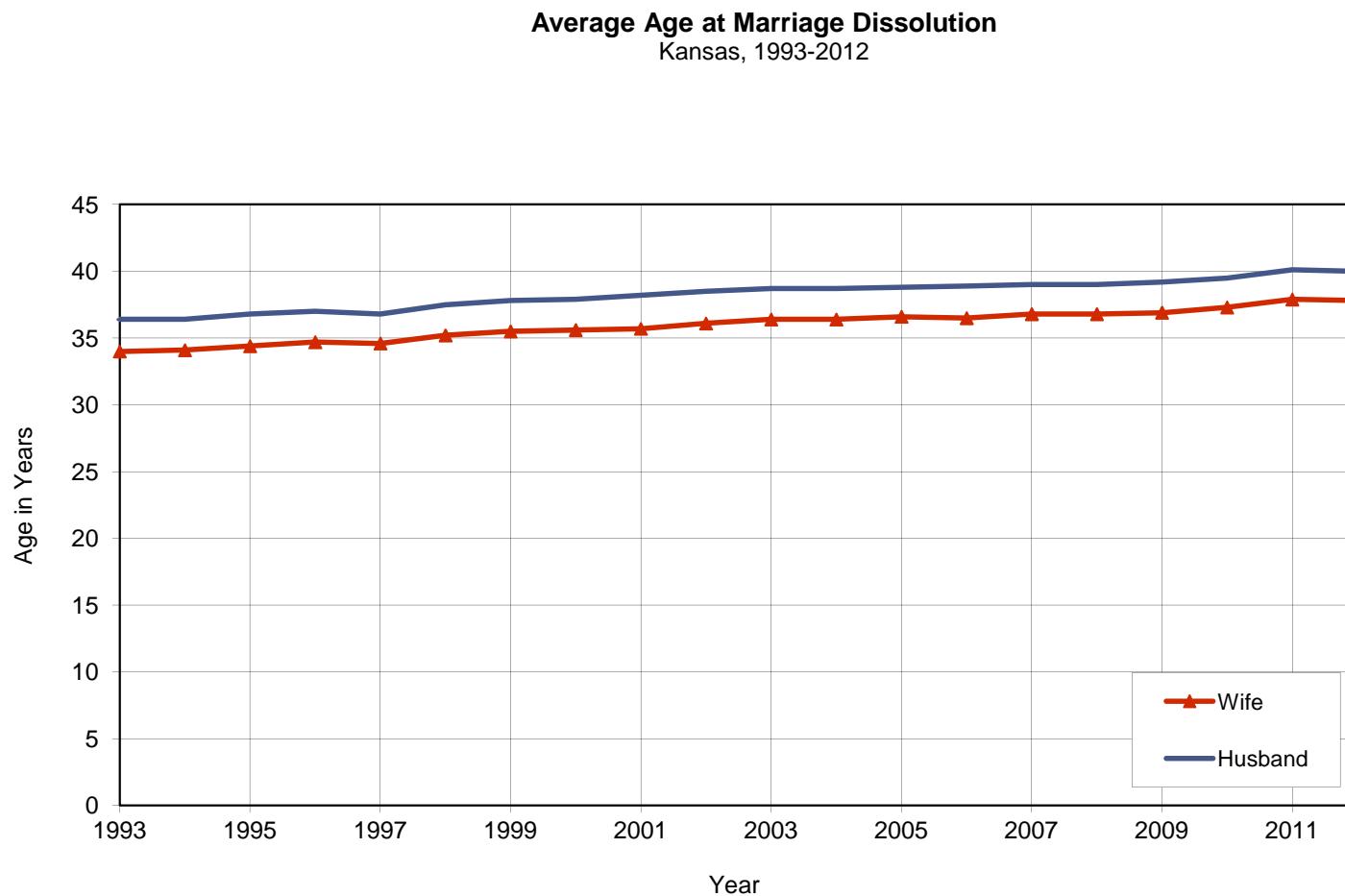


Figure 40

Table 81
Marriage Dissolutions
by Duration of Marriage in Years
Kansas, 2012

Duration of Marriage	Total	Divorces	Annulments
Total	9,782	9,530	252
Under 1	361	243	118
1	754	683	71
2	809	784	25
3	762	750	12
4	688	679	9
5	596	593	3
6	554	553	1
7	493	492	1
8	433	432	1
9	386	384	2
10	365	364	1
11	342	341	1
12	281	280	1
13	268	267	1
14	238	236	2
15	230	230	0
16	218	217	1
17	186	186	0
18	187	187	0
19	147	147	0
20-24	681	681	0
25-29	366	365	1
30-34	206	206	0
35-39	103	103	0
40 & Over	73	72	1
Not Stated.	55	55	0

Marriage Dissolutions
 Percent Distribution by Number of Minor Children
 Kansas, 2012

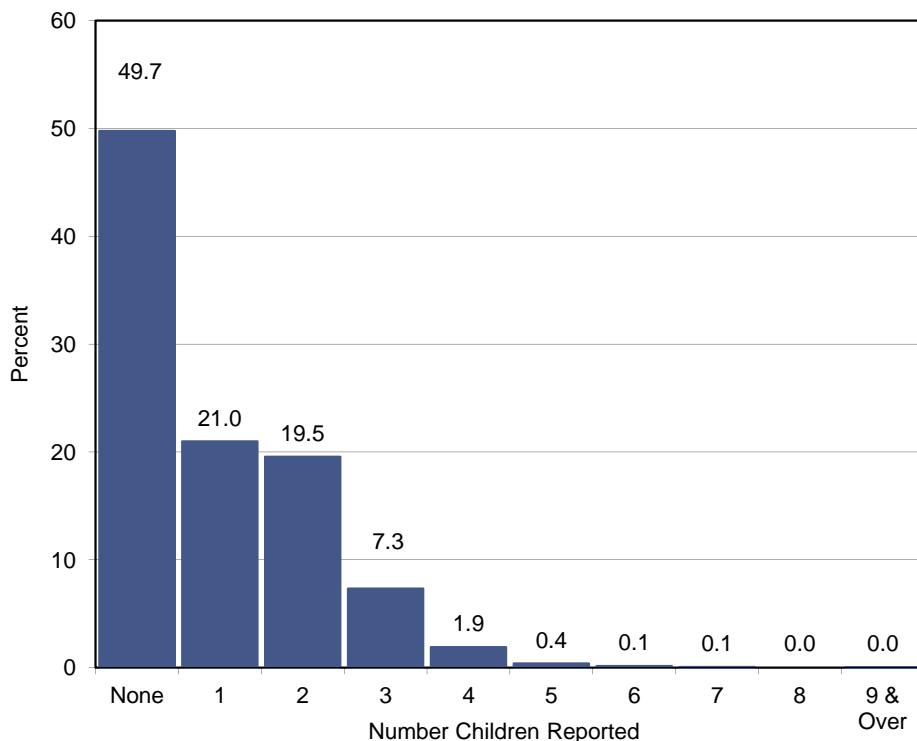


Figure 41

Table 82
Marriage Dissolutions by Number of Minor Children Reported
and Number of Minor Children Affected
Kansas, 2012

Number of Minor Children Reported	Divorces		Annulments		Total Children Affected
	Number	Percent	Number	Percent	
Total	9,530	100	252	100.0	9,108
None	4,611	48.7	226	90.8	0
1	2,022	21.3	16	6.4	2,038
2	1,896	20.0	4	1.6	3,800
3	711	7.5	1	0.4	2,136
4 or More	234	2.5	2	0.8	1,134
Not Stated	56	n/a	3	n/a	0

*Represents the number of children involved in marriages ending in divorce or annulment.

TECHNICAL NOTES

Registration

Reporting of Kansas vital events to the Kansas Department of Health and Environment (KDHE) is mandated by law (K.S.A. 65-102, K.S.A. 65-2422b, K.S.A. 65-445). The filing of birth and death records began in 1911, the registration of marriages was initiated in 1913, and divorce tabulations started in 1951. The reporting of abortions began in 1970. Birth, death, stillbirth, marriage, marriage dissolution certificates, and abortion reports are completed by the combined efforts of physicians, hospital personnel, funeral directors, attorneys, and district courts. All certificates and reports are filed with the Office of Vital Statistics by direct reporting. Since the registration of vital events began, over 10 million records have been processed, filed, and indexed.

Revisions to 2012 Annual Summary

The Annual Summary for 2012 contains no new tables, but some categories in Table 64 were subdivided to allow matching to categories used in the Healthy People 2020 project. No tables or figures have been deleted from the past year. The narrative has been expanded to include comparisons to selected Healthy People 2020 targets. Please see Technical Notes for past years for information on other table and figure changes. Table and figure numbers remain unchanged from 2011.

2011 Revisions to Certificates

Beginning in July 2011, Kansas implemented a revised form for reporting abortions. This revised VS213 form resulted from changes made in abortion reporting laws passed by the Kansas Legislature. Question 14 that asks the reasons for determining gestational age, is now required to be completed on all abortions, rather than only abortions that occurred at 22 weeks gestation or later. One new question (#15 on the revised form) addresses whether a report of physical, mental, or emotional abuse or neglect has been filed about the patient pursuant to K.S.A. 38-2223.

2009 Revisions to Certificates

Beginning in July 2009, Kansas implemented an Electronic Death Registration System involving online entry of medical information by physicians. At the same time, the death certificate was modified to include a new item “3. If female, name prior to first marriage.” Neither change has an effect on the information reflected in this report.

2005 Revisions to Certificates

Beginning with the reporting of 2005 data, Kansas implemented the 2003 revision of the U.S. standard certificates and reports. The new data collection instruments are included at the end of this report. Not all states use the new certificate format. Therefore, some routinely collected birth and death information may not be available for Kansas residents when an event occurs in another state.

While most certificate items are comparable with past years, some items changed considerably when certificates were revised. These changes can affect comparability with previous years statistics. The three areas of greatest impact are noted below.

Prenatal care visits

In previous years, the mother or prenatal care provider reported the month of pregnancy in which the mother began prenatal care. As of 2005, this item was replaced by the exact dates of first and last prenatal visit. Therefore, the month prenatal care began is now calculated from the last normal menses date and the date of first prenatal care visit. Accordingly, prenatal care data

Technical Notes (Cont.)

in this report ([Tables 17](#) and [18](#), [Figure 17](#)) are not directly comparable to data collected from previous certificates.

Race-Ethnicity

The revised certificates contain significant changes in the way self-reported race and Hispanic origin are collected. The race item was revised to allow the reporting of multiple races and can capture up to 15 categories and eight literal entries. In addition, Hispanic origin is now collected as a separate question from ancestry. These changes were implemented to provide a better picture of the nation's variation in race and ethnicity. The expanded racial and ethnic categories are compliant with the provisions of the Statistical Policy Directive No. 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting, issued by the Office of Management and Budget (OMB) in 1997 [1]. Under these guidelines, when race and Hispanic origin are collected separately, Hispanic origin is collected first on the certificate.

Population-Group Reporting

Changes to reporting of Hispanic origin and race, combined with concerns over confidentiality and comparisons among race and origin categories, resulted in the development of a population-group approach to reporting statistics by race/ethnicity. This method creates a unique matrix of population groups combining race and Hispanic origin for reporting statistics. At the most detailed level, there are nine population-groups: Hispanic any race, White non-Hispanic, Black non-Hispanic, Asian non-Hispanic, Native Hawaiian and other Pacific Islander (NHOPI) non-Hispanic, American Indian/Alaska Native (AIAN) non-Hispanic, Multiple race non-Hispanic, Other race non-Hispanic, and Unknown race non-Hispanic. In the event Hispanic origin is unknown but race information is known, the individual will be reported as the specified race and non-Hispanic.

BEPHI developed an aggregation grid (Table A) to use when counts for population-groups are too small to be displayed or used in a rate calculation.

Table A. Aggregation Grid for Population Groups

Aggregation Level	Population Groups								
None	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian Non-Hispanic	NHOPI Non-Hispanic	AIAN Non-Hispanic	Multi race Non-Hispanic	Other race Non-Hispanic	Unknown Non-Hispanic
Partial	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian/NHOPI Non-Hispanic	AIAN Non-Hispanic	Multi & other non-Specified race(s) Non-Hispanic		N.A.	
Full	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Multi, other specified & non-specified race(s) Non-Hispanic				N.A.	

This report uses partial or full aggregation of population groups for reporting statistics. The U.S. Census Bureau (USCB) population estimates, revised in accordance with the new OMB standards, produces population estimates that can be collapsed into seven of the nine population-groups. These estimates are used as the denominator in calculating population-based rates by population group for selected vital events ([Figures 3](#) and [18](#), [Table 48](#)) in this report.

USCB also prepares a set of bridged-race population estimates in collaboration with NCHS. These estimates - in which persons of Hawaiian, or Pacific Islander race or of multiple races were bridged or collapsed into the four categories of White, Black, American Indian/Alaska Native, and Asian - are used as the base for creating population data for specific age groups needed to calculate teen pregnancy rates ([Tables 32](#) and [34](#)). The un-bridged census annual population estimates do not have the specific age groups needed for teen pregnancy rates.

Technical Notes (Cont.)

Quality of Data

The quality of the analyses in the *Annual Summary of Vital Statistics* depends on complete and accurate reporting of vital events. Records are collected on an occurrence basis in every state or jurisdiction, regardless of the residence of the individual. Each jurisdiction provides occurrence information to NCHS. An inter-jurisdictional exchange agreement among all 57 registration states/jurisdictions and Canada ensures that vital events occurring to Kansas residents in other states or Canada are shared with KDHE.

Birth, death, and stillbirth data in the *Kansas Annual Summary of Vital Statistics* are based on the events that occurred to Kansas residents during a given calendar year and reported before a given cutoff date. The Bureau of Epidemiology and Public Health Informatics (BEPHI) uses June 30 of the year after the event year as the cutoff for receipt of out-of-state occurrence Kansas resident birth, death, and stillbirth reports. The NCHS cutoff date is around September 30 of the year after the event year.

The Office of Vital Statistics works to ensure the completeness and accuracy of the certificates filed. Reports received from other states after June 30, 2013, consist of less than one percent of the total reports filed, are considered negligible, and are excluded from this report.

Some states do not process their inter-jurisdictional exchange records until after the BEPHI cutoff. These records are excluded in the event year's Annual Summary. This is a primary reason why counts and rates reported in the Kansas Annual Summary may differ from those eventually reported by NCHS. It's also a factor in why Kansas vital statistics data are not available immediately after a calendar year ends.

BEPHI is committed to reducing the number of excluded records. It monitors receipt of out-of-state occurrence records, and contacts other jurisdictions when NCHS reports out-of-state occurrence births and deaths to Kansas residents.

Incomplete reporting of marriage dissolution impacts statistics. Reporting, however, has been improving. Users of marriage dissolution statistics should take this into account when interpreting the information.

From July, 1970, through June, 1995, state law required only Kansas hospitals to keep and submit to KDHE written records of pregnancies terminated in the hospital. During this reporting period, non-hospital providers reported terminations only on a voluntary basis. Although most abortions were reported, some underreporting may have occurred. In 1995, the Kansas legislature amended K.S.A. 65-445, broadening the reporting requirement to include every medical care facility and every person licensed to practice medicine.

Imputation

Unknown values in vital records result in records being excluded from tabulations. As part of ongoing data quality efforts, BEPHI identifies records with missing or illogical information and works with the Office of Vital Statistics, hospitals, and physicians to obtain information to fill in the blanks and correct mistakes. However, there are occasions when the information remains unknown in the analytical files used to create the statistics in this report. In limited instances, BEPHI will impute missing information using commonly accepted techniques in the civil registration/data analysis field. Imputation can either involve review of other information in the vital record to deduce the unknown value or using some form of algorithm to randomly assign a value.

Technical Notes (Cont.)

For 2012 data, the Bureau addressed unknowns or illogical values in age, county of residence, and sex. Cities and counties were corrected for spelling, city-county designation, and for missing information. Race and ethnicity entries were corrected when "unknown" and a specified category were selected. Not every unknown can be corrected.

Handling of Unknowns

Items for which no response was provided are shown as "not stated" (N.S.) in tables and graphs throughout this publication. To ensure statistical accuracy, the "not stated" count has been subtracted from the denominator when calculating percentages.

Residence vs Occurrence Data

Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state). Occurrence data is information compiled according to the geographical location where the event took place, regardless of the actual residence. Information compiled for births, stillbirths, and deaths in this report are residence data, while marriages and marriage dissolutions are occurrence data; and abortions are reported in both data formats (residence and occurrence).

Population

State, county, and city population estimates for 2003-2009 were produced by the USCB and certified by the Kansas Division of the Budget. These estimates are on the Division's website at: <http://budget.ks.gov/ecodemo.htm>. ([Tables 4](#) and [5](#), [Figure 4](#))

Population estimates by age-group and sex for 1988-1989, 1991-1999, 2002-2009 and 2011-2012 were obtained from USCB. Actual population counts were used for 1990, 2000, and 2010. Population by age-group and sex was not available from the USCB for 2001 and was estimated by the Kansas Department of Health and Environment based on 2000 USCB numbers ([Table 6](#)). These numbers were used in age-specific and age-adjusted calculations ([Tables 12, 43, 52, 53, 60](#), [Figures 11, 12](#) and [30](#)). Population by Population-Group and Population-Group-specific birth and death rates ([Tables 7, 8](#) and [Figure 3](#)) for 2010 are based on actual U.S. Census counts that comply with the new race standards and can be obtained on the Internet at: <http://www.census.gov/popest/estimates.php>.

Due to rounding and variation in estimation methods within the USCB, some discrepancies may be found in population data ([Tables 4](#) and [6](#)). Usually, differences are negligible and rarely result in discrepancies in the totals. We advise you to utilize state totals from the county population totals when a total population estimate is needed.

Because the USCB reassigns the race of certain categories in their bridged and un-bridged estimates, 2010 totals by population group may be inconsistent with 2009 estimates. This will affect population-based rates wherein the 2010 population, used for the denominator in the rate, will be artificially lower than the prior year's estimate. The greatest impact will involve rates for the smaller population groups.

Female Population 10-19

Estimates of the Kansas female population for 1988-1999 and 2011-2012 were obtained from the USCB, and actual population counts were used for 1990, 2000 and 2010.

The 2001 state and county estimates for teenage females (10-14, 10-17, 15-19, 10-19) were compiled by the KDHE based on 2000 USCB numbers. In order to estimate the 2001 teenage female population for the various age groupings, the 2000 proportion for the age grouping within

Technical Notes (Cont.)

the total population had to be derived. These estimates were calculated as in the following example for 2001.

$$\begin{array}{l} \text{Female Population 10-14 Year} \\ \text{Age Group (2000)} \\ \hline \text{2000 Population All Ages} \end{array} \times \begin{array}{l} 2001 \text{ Population} \\ \text{All Ages} \end{array} = \begin{array}{l} 10-14 \text{ Year} \\ \text{Age-Group} \\ \text{(2001)} \end{array}$$

Female population estimates for 2002-2009 and 2011-2012 were obtained from the Bridged-race Vintage 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2011 and 2012 postcensal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between NCHS and the U.S. Census Bureau. The population data are at:

http://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm. (Tables 32, and 34)

Peer Groups

For various demographic studies, it is useful to consider groups of counties with similar characteristics. "Peer Groups" of counties, as used in this summary, are defined as those with similar population density based on a method derived by the KDHE Bureau of Community Health Systems. (See Appendices 1 and 2 for county tables indicating population density peer group membership before and after the 2010 U.S. Census.)

Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These designations should *not* be confused with the USCB definitions of urban and rural areas.

Population densities are calculated using land area, not total area. Confusion over this definition led to the misclassification of Doniphan County in the 2010 Annual Summary. An errata was issued correcting the tables originally released using incorrect peer groups.

The KDHE Bureau of Epidemiology and Public Health Informatics applies these definitions, updating the groups with every decennial census. Based on the 2010 U.S. Census, eight Kansas counties changed peer groups. In order to facilitate a time series comparison, Peer-Group statistics for prior years are based on the Peer-Group in effect during that decade [2]. Sources for calculation of population densities are population figures from the 2010 U.S. Census and land areas from the 2010 U.S. Census.

Cause of Death

Underlying causes of death in the *2012 Annual Summary of Vital Statistics* are established through a system known as the International Classification of Diseases, 10th Revision (ICD-10). This system promotes uniformity and comparability in the collection and presentation of mortality data. Prior to 1999, Kansas used ICD-9 to report mortality statistics. Periodically the classification system needs to be updated to address new diseases and reflect a better understanding of causes of death. The World Health Organization maintains ICD-10 and the NCHS, which compiles national statistics, modifies ICD-10 for use by Kansas and other states [3]. Death data from 1999 forward are classified by ICD-10, and trends in mortality will be comparable. Such data trends are not comparable if the statistics bridge 1998-1999.

Technical Notes (Cont.)

In accordance with NCHS guidelines, stillbirths that were coded Symptoms, Signs & Abnormal Findings (R00 - R99) are now coded unspecified cause (P95).

Age-Adjusted Death Rates

The mortality rate, the number of deaths per 100,000 population, is a common way to report death statistics so that comparisons can be made from year to year or among geographic areas. Crude death rates compensate for the differences in population within the areas or time periods studied. Crude death rates, however, do not compensate for the different age make up of compared populations. For example, some Kansas counties may have more older residents than other counties. To address this, statisticians prepare age-adjusted death rates. The direct method for calculating age-adjusted death rates was used in this report. Age-adjusting is a process by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis. This is needed because older populations have higher death rates, merely because death rates increase with age. Age-adjusted rates allow for more meaningful comparison of the risk of mortality over time and among groups.

For this report, age-adjusted death rates were calculated using the 2000 population standard. Kansas began using the 2000 population standard, as recommended by NCHS, in the *1999 Annual Summary of Vital Statistics*.

Comparing Age-Adjusted Death Rates

Mortality rates, derived from vital records, are not subject to sampling error but are subject to what is termed random error. This arises from random variations in the number of deaths over time or between different communities. The potential impact of variation increases as the number of events decreases. This makes resulting rates subject to volatility, and requires caution when comparing them to rates from other populations, geographic areas, and time periods.

Confidence intervals are often used in research when comparing two age-adjusted death rates (for two different or independent populations) to determine whether a significant difference exists between them. Ninety-five percent confidence intervals are provided for the age-adjusted rates in this report. The precise statistical definition of the 95% confidence interval is that if the measurement was conducted 100 times, 95 percent of the time the true value would be within the calculated confidence interval and five percent of the time the true value would be either higher or lower than the range of the confidence interval.

The first step in calculating a confidence interval for an age-adjusted rate is the computation of a standard error (SE), which defines the rate's variability. The SE for an adjusted rate per 100,000 population can be estimated by dividing that rate by the square root of the number of events (n) upon which the rate was based:

$$\text{Rate}/\sqrt{n}$$

The estimated SE can then be used to compute a 95% confidence interval (CI) for the rate. The standard formula for determining the 95% CI of a rate is:

$$R \pm (1.96 \times \text{SE})$$

Technical Notes (Cont.)

Computing confidence limits for pairs of rates varies depending on the number of events on which each rate was created. The formula below was used for calculating confidence intervals that appear in this report. (Table 60)

Confidence limits for rates when the numerator is 100 or more

In this case, use the following formula for the rate R based on the standard error SE:

$$\begin{aligned} \text{Lower limit} &= R - (1.96 \times SE) \\ \text{Upper limit} &= R + (1.96 \times SE) \end{aligned}$$

where:

$$\begin{aligned} R &= \text{the rate (age-adjusted rate)} \\ SE &= \text{the rate divided by the square root of the number of events} \\ &\quad (\text{deaths}) \end{aligned}$$

An example of this would be the comparison of cancer age-adjusted death rates for two years. If 2007's rate has a 95% confidence interval of 174.3-183.9 and the 95% confidence interval for 2008 is 168.3-177.7, then they overlap and there is no significant difference between the two years' rates, at the 95% confidence level.

There are various statistical formulas for comparing rates, depending on the types of rates or populations being studied and the number of events involved. Please note that the formulas shown above are a conservative approach and, in some cases, may not be the most appropriate.

Significance test when both rates are based on 100 or more events

To compare two rates when both are based on 100 or more events, first calculate the difference between the two rates by subtracting the lower rate from the higher rate. This difference is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where:

$$\begin{aligned} R_1 &= \text{the first rate} \\ R_2 &= \text{the second rate} \\ N_1 &= \text{the first number of events} \\ N_2 &= \text{the second number of events} \end{aligned}$$

If the difference is greater than this statistic, then the difference would occur by chance less than five times out of 100. The difference is statistically significant at the 95 percent confidence level.

If the difference is less than this statistic, the difference might occur by chance more than five times out of 100. The difference is not statistically significant at the 95 percent confidence level.

NCHS was used as a source for confidence interval and significance tests based on the *Vital Statistics of the United States: Mortality, 1999* Technical Appendix.

Rate Reliability

Vital statistics are easily influenced by random variation and single-year rates can fluctuate widely. A multiple-year rate such as a five- or ten-year average of single-year rates would be more accurate in formulating conclusions on vital events. For example, between 2005 and 2009

Technical Notes (Cont.)

the infant death rate for Kansas ranged from 7.0 to 7.9, while the 2005-2009 five-year infant death rate for Kansas was 7.4 infant deaths per 1,000 live births. A five or 10-year rate smoothes some of the single-year rate variation and is a more reliable indicator of Kansas infant death rates.

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small change in the number of events, in 2009 Greeley County was the least populated county in Kansas with 1,234 residents, and Johnson County was the largest with 542,737 residents. With 15 deaths occurring in Greeley County in 2009, the crude death rate was 12.2 deaths per 1,000 population; whereas 3,234 deaths occurring in Johnson County resulted in a crude death rate of 6.0 deaths per 1,000 population. If five more deaths occurred in each county (e.g., multiple- death accident), Greeley County's crude death rate would have increased to 16.2, while Johnson County's rate would have increased by only a few hundredths and, with rounding, still remain 6.0 deaths per 1,000 population. Therefore, one must use caution when comparing rates of vital events between counties of extreme population size differences to avoid misleading conclusions.

Criteria for the Adequacy of Prenatal Care Utilization (APNCU) INDEX

Adequacy of prenatal care utilization values are based on a method developed by Dr. Milton Kotelchuck [4]:

I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)

- Adequate Plus: 1st or 2nd month
- Adequate: 3rd or 4th month
- Intermediate: 5th or 6th month
- Inadequate: 7th month or later or no prenatal care

II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)

- Adequate Plus: 110% or more
- Adequate: 80% - 109%
- Intermediate: 50% - 79%
- Inadequate: less than 50%

III. Summary Adequacy of Prenatal Care Utilization Index

- Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received
- Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received
- Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits received
- Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits received

Criteria for Small for Gestational Age (SGA)

Small for gestational age is when the infant's birth-weight is less than the 10th percentile, (lowest 9.9 percent of births). These infants may be normal but small or pathologically small (intrauterine growth restriction).

"Many different things can lead to intrauterine growth restriction (IUGR). An unborn baby may not get enough nutrition because of:

Technical Notes (Cont.)

- High altitudes,
- Multiple pregnancies (twins, triplets, etc.),
- Placenta problems,
- Preeclampsia or eclampsia

Congenital or chromosomal abnormalities are often associated with below-normal weight. Infections during pregnancy that affect the developing baby, such as rubella, cytomegalovirus, toxoplasmosis, and syphilis may also affect the weight of the developing baby" [5].

Infants born small for gestational age but constitutionally normal may represent 40% or more of the SGA infants at term [6, 7]. However, "In early preterm gestations, the definition of SGA may be justified as a proxy for IUGR" [12]. Statistics reported for SGA are based on using birth-weights from 2010 births for the state as a whole as the reference in establishing the cutoff point. In calculating percents, unknowns are excluded. Data are adjusted for gender or population group of the infant.

Criteria for Weight Gain in Pregnancy

This table presents weight gain in pregnancy based on pre-pregnancy BMI categories underweight, normal weight, overweight and obese by county. According to the March of Dimes, "Gaining the right amount of weight helps protect the health of your baby."

Women who gain too little are at increased risk of having a small baby (less than 5 1/2 pounds). Women who gain too much are at increased risk of having an early baby or a large baby. They may also have health problems themselves such as diabetes, high blood pressure and varicose veins. [8]

The BMI/weight categories used in Table A⁴ are updated guidelines from the Institute of Medicine of the National Academies dated May 28, 2009. The new guidelines update recommendations the Institute of Medicine made in 1990 and reflect changing U. S. demographics.

Table A. Recommendations for Total and Rate of Weight Gain During Pregnancy, by Pre-pregnancy BMI

Pre-pregnancy weight	Recommended weight gain
Underweight (BMI less than 18.5)	28 to 40 pounds
Normal weight (BMI 18.5 to 24.9)	25 to 35 pounds
Overweight (BMI 25 to 29.9)	15 to 25 pounds
Obese (BMI 30 or greater)	11 to 20 pounds

Source: Institute of Medicine

References

1. Office of Management and Budget. (1997, October). Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity. Retrieved 10/4/2011 from http://www.whitehouse.gov/sites/default/files/omb/assets/information_and_regulatory_affairs/re_app-a-update.pdf.
2. Statistical Measures and Definitions. National Association of Public Health Statistics and Information Systems. Retrieved 10/5/2011 from <http://www.naphsis.org/NAPHSIS/files/ccLibraryFiles/Filename/000000001130/YPLL.pdf>.
3. Classification of Diseases, Functioning, and Disability. National Center for Health Statistics. Retrieved 10/4/2011 from <http://www.cdc.gov/nchs/icd/icd10.htm>
4. Kotelchuck, M. "An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index.", *American Journal of Public Health*, 1994; 84(9): 1414-1420.

Technical Notes (Cont.)

5. Vorvick, L. (2010, November). Intrauterine growth restriction. Medline Plus. Retrieved 11/2/2011 from <http://www.nlm.nih.gov/medlineplus/ency/article/001500.htm>
6. Ross, M.G. (2011, February). Fetal growth restriction, Medscape reference. Retrieved 11/2/2011 from <http://emedicine.medscape.com/article/261226-overview>
7. Ananth, C. V, Vintzileos A. M. (2009, October). Distinguishing pathological from constitutional small for gestational age births in population-based studies. Early Hum Dev. 85(10):653-8.
8. March of Dimes. (2009, September). Weight gain during pregnancy. Retrieved 10/14/2010 from http://www.marchofdimes.com/pnhec/159_153.asp

DEFINITIONS

The following terms, formulas, and symbols are defined for more meaningful interpretations of the data contained in this report.

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.
Adequacy of Prenatal Care Utilization (APNCU) Index:	An assessment of the adequacy of prenatal care measured by the APNCU Index (often referred to as the Kotelchuck Index), a composite measure based on gestational age of the newborn, the trimester prenatal care began, and the number of prenatal visits made.
Age-Adjusted Death Rate:	A calculation by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis.
Annulment:	The invalidation of a marriage contract.
Birth Order:	Live birth order is determined from birth certificates specifying the total number of live births (living and dead) the mother had. It is calculated as the sum of the prior live births plus the current birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Body mass index (BMI):	A key index for relating a person's body weight to their height. The BMI is a person's weight in pounds times 703 divided by their height in inches squared.
Cause of Death:	The underlying cause of death or that condition giving rise to the chain of events leading to death.
Congenital Anomalies:	Defects existing at and usually before birth regardless of causation.
Divorce:	The dissolution of a legally binding marriage contract.
Hebdomadal Death:	The death of a live-born infant which occurs prior to the seventh day of life.
ICD Code:	The cause-identifying number classified in the Tenth Revision of the International Classification of Diseases implemented by NCHS for deaths in 1999.
Infant Death:	The death of a live-born infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

DEFINITIONS (cont.)

Low Birth Weight:	Weight of a fetus or infant at delivery which is less than 2,500 grams (less than five pounds, 8 ounces).
Marriage:	The legal union of a male and female.
Marriage Dissolution:	A marriage dissolved by either a divorce or an annulment.
Maternal Death:	The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes (Included in these deaths are ICD-10 codes A34, O00–O95, and O98–O99).
Medical Procedure I:	Refers to use of the drug mifepristone as a pregnancy termination procedure.
Medical Procedure II:	Refers to use of the drug methotrexate as a pregnancy termination procedure.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a live-born infant which occurs prior to the 28th day of life.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event happened.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception or at the time of birth or at any time between conception and birth.
Peer Group:	A group of counties with similar population densities in persons per square mile, as adopted by the Kansas Department of Health and Environment, Bureau of Local and Rural Health.
Perinatal Period III Death:	The aggregate total of stillbirths (fetus weighs over 350 grams) and hebdomadal deaths (deaths that occur prior to the 7th day of life).
Population Density:	The average number of inhabitants per square mile.
Population Group:	A reporting matrix of race and Hispanic origin (ethnicity) information comprised of distinct categories.
Post-Hebdomadal Death:	The death of a live-born infant occurring seven days to prior to the twenty-eighth day of life.
Post-Neonatal Death:	The death of a live-born infant occurring 28 days to prior to the 365th day of life.

DEFINITIONS (cont.)

Pregnancy-Associated Death:	The death of any woman, from any cause, while pregnant or within one calendar year of termination of pregnancy, regardless of the duration and the site of pregnancy. Maternal deaths are a subset of pregnancy-associated deaths.
Prenatal Care:	Pregnancy-related health care services provided to a woman between conception and delivery.
Previous Pregnancy:	Includes all previous reported spontaneous terminations, previous induced abortions, children born still living and children born now dead.
Puerperium:	Period of time after delivery, usually six to eight weeks, during which all maternal reproductive organs return to the normal pre-pregnancy condition.
Small for Gestational Age (SGA):	Condition where the live born infant's birth weight lies below the 10th percentile for that gestational age.
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Teenage Pregnancy:	A live birth, stillbirth or abortion occurring to a female under 20 years of age.
Total Reported:	Used only for abortion reporting this represents all abortions reported regardless of residence or occurrence locations.
Trimester:	A three-month period of time. First trimester care, for example, refers to care initiated in the first three months of pregnancy.
Very Low Birth Weight:	Weight of a fetus or infant at delivery which is less than 1,500 grams (less than 3 pounds, 5 ounces).
Weeks Gestation:	The number of weeks between first day of the last reported normal menses and the delivery of the fetus or infant.
Years of Potential Life Lost (YPLL75):	A measurement of the number of years of potential life lost by each death occurring before the age of 75.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	x 1,000
Age-Adjusted Death Rate:	$\frac{\sum M_a P_a}{P}$	x 1,000 or 100,000
Where	M_a	= age-specific death rate per 1,000 or 100,000 population for a given age-group
	P_a	= standard population in a given age-group
	P	= total standard population
Age-Specific Death Rate:	$\frac{\text{deaths in a specific age-group}}{\text{population in a specific age-group}}$	x 1,000
Age-Specific Fertility Rate:	$\frac{\text{live births in a specific age-group}}{\text{female population in a specific age-group}}$	x 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	x 1,000
Cause-Specific Death Rate:	$\frac{\text{cause-specific deaths}}{\text{total population}}$	x 100,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	x 1,000
Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	x 1,000
Marriage Dissolution Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	x 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	x 1,000
Stillbirth Rate:	$\frac{\text{stillbirths}}{\text{live births + stillbirths}}$	x 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	x 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	x 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	x 1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	x 100,000

RATES AND RATIOS (Cont.)

Natural Increase Rate:	live birth rate minus total death rate	
Neonatal Death Rate:	<u>neonatal deaths</u> live births	x 1,000
Out-of-Wedlock Birth Ratio:	<u>out-of-wedlock births</u> live births	x 100
Perinatal Period III Death Rate:	<u>perinatal period III deaths</u> live births + stillbirths	x 1,000
Post-Neonatal Death Rate:	<u>post-neonatal deaths</u> live births	x 1,000
Teenage Pregnancy Rate:	live births, stillbirths, abortions for females <u>in a specific age-group</u> female population in a specific age-group	x 1,000
Years of Potential Life Lost Rate	<u>years of potential life lost</u> population	x 1,000

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a	not available
n/a	not applicable
0.0	quantity or percent more than zero but less than 0.05

APPENDIX 1
Kansas County Codes and Groupings

County Name	FIPS Code	Abbreviation	Population Density Peer Group (2010)	Population Density Peer Group (2000)
Allen	001	AL	Densely-Settled Rural	Densely-Settled Rural
Anderson	003	AN	Rural	Rural
Atchison	005	AT	Densely-Settled Rural	Densely-Settled Rural
Barber	007	BA	Frontier	Frontier
Barton	009	BT	Densely-Settled Rural	Densely-Settled Rural
Bourbon	011	BB	Densely-Settled Rural	Densely-Settled Rural
Brown	013	BR	Rural	Rural
Butler	015	BU	Semi-Urban	Semi-Urban
Chase	017	CS	Frontier	Frontier
Chautauqua	019	CQ	Frontier	Rural
Cherokee	021	CK	Densely-Settled Rural	Densely-Settled Rural
Cheyenne	023	CN	Frontier	Frontier
Clark	025	CA	Frontier	Frontier
Clay	027	CY	Rural	Rural
Cloud	029	CD	Rural	Rural
Coffey	031	CF	Rural	Rural
Comanche	033	CM	Frontier	Frontier
Cowley	035	CL	Densely-Settled Rural	Densely-Settled Rural
Crawford	037	CR	Semi-Urban	Semi-Urban
Decatur	039	DC	Frontier	Frontier
Dickinson	041	DK	Densely-Settled Rural	Densely-Settled Rural
Doniphan	043	DP	Densely-Settled Rural	Densely-Settled Rural
Douglas	045	DG	Urban	Urban
Edwards	047	ED	Frontier	Frontier
Elk	049	EK	Frontier	Frontier
Ellis	051	EL	Densely-Settled Rural	Densely-Settled Rural
Ellsworth	053	EW	Rural	Rural
Finney	055	FI	Densely-Settled Rural	Densely-Settled Rural
Ford	057	FO	Densely-Settled Rural	Densely-Settled Rural
Franklin	059	FR	Semi-Urban	Semi-Urban
Geary	061	GE	Semi-Urban	Semi-Urban
Gove	063	GO	Frontier	Frontier
Graham	065	GH	Frontier	Frontier
Grant	067	GT	Rural	Rural
Gray	069	GY	Rural	Rural
Greeley	071	GL	Frontier	Frontier
Greenwood	073	GW	Frontier	Rural
Hamilton	075	HM	Frontier	Frontier
Harper	077	HP	Rural	Rural
Harvey	079	HV	Semi-Urban	Semi-Urban
Haskell	081	HS	Rural	Rural
Hodgeman	083	HG	Frontier	Frontier
Jackson	085	JA	Densely-Settled Rural	Rural
Jefferson	087	JF	Densely-Settled Rural	Densely-Settled Rural
Jewell	089	JW	Frontier	Frontier
Johnson	091	JO	Urban	Urban
Kearny	093	KE	Frontier	Frontier
Kingman	095	KM	Rural	Rural
Kiowa	097	KW	Frontier	Frontier
Labette	099	LB	Densely-Settled Rural	Densely-Settled Rural
Lane	101	LE	Frontier	Frontier
Leavenworth	103	LV	Urban	Semi-Urban
Lincoln	105	LC	Frontier	Frontier
Linn	107	LN	Rural	Rural

County Name	FIPS Code	Abbreviation	Population Density Peer Group (2010)	Population Density Peer Group (2000)
Logan	109	LG	Frontier	Frontier
Lyon	111	LY	Densely-Settled Rural	Semi-Urban
McPherson	113	MP	Densely-Settled Rural	Densely-Settled Rural
Marion	115	MN	Rural	Rural
Marshall	117	MS	Rural	Rural
Meade	119	ME	Frontier	Frontier
Miami	121	MI	Semi-Urban	Semi-Urban
Mitchell	123	MC	Rural	Rural
Montgomery	125	MG	Semi-Urban	Semi-Urban
Morris	127	MR	Rural	Rural
Morton	129	MT	Frontier	Frontier
Nemaha	131	NM	Rural	Rural
Neosho	133	NO	Densely-Settled Rural	Densely-Settled Rural
Ness	135	NS	Frontier	Frontier
Norton	137	NT	Rural	Rural
Osage	139	OS	Densely-Settled Rural	Densely-Settled Rural
Osborne	141	OB	Frontier	Frontier
Ottawa	143	OT	Rural	Rural
Pawnee	145	PN	Rural	Rural
Phillips	147	PL	Rural	Rural
Pottawatomie	149	PT	Densely-Settled Rural	Densely-Settled Rural
Pratt	151	PR	Rural	Rural
Rawlins	153	RA	Frontier	Frontier
Reno	155	RN	Semi-Urban	Semi-Urban
Republic	157	RP	Rural	Rural
Rice	159	RC	Rural	Rural
Riley	161	RL	Semi-Urban	Semi-Urban
Rooks	163	RO	Frontier	Rural
Rush	165	RH	Frontier	Frontier
Russell	167	RS	Rural	Rural
Saline	169	SA	Semi-Urban	Semi-Urban
Scott	171	SC	Rural	Rural
Sedgwick	173	SG	Urban	Urban
Seward	175	SW	Densely-Settled Rural	Densely-Settled Rural
Shawnee	177	SN	Urban	Urban
Sheridan	179	SD	Frontier	Frontier
Sherman	181	SH	Frontier	Rural
Smith	183	SM	Frontier	Frontier
Stafford	185	SF	Frontier	Rural
Stanton	187	ST	Frontier	Frontier
Stevens	189	SV	Rural	Rural
Sumner	191	SU	Densely-Settled Rural	Densely-Settled Rural
Thomas	193	TH	Rural	Rural
Trego	195	TR	Frontier	Frontier
Wabaunsee	197	WB	Rural	Rural
Wallace	199	WA	Frontier	Frontier
Washington	201	WS	Rural	Rural
Wichita	203	WH	Frontier	Frontier
Wilson	205	WL	Rural	Rural
Woodson	207	WO	Rural	Rural
Wyandotte	209	WY	Urban	Urban

APPENDIX 2
Population Density County Peer Groups

Frontier					
Barber	Chase	<i>Chautauqua</i>	Cheyenne	Clark	Comanche
Decatur	Edwards	Elk	Gove	Graham	Greeley
<i>Greenwood</i>	Hamilton	Hodgeman	Jewell	Kearny	Kiowa
Lane	Lincoln	Logan	Meade	Morton	Ness
Osborne	Rawlins	<i>Rooks</i>	Rush	Sheridan	<i>Sherman</i>
Smith	<i>Stafford</i>	Stanton	Trego	Wallace	Wichita
Rural					
Anderson	Brown	Clay	Cloud	Coffey	Ellsworth
Grant	Gray	Harper	Haskell	Kingman	Linn
Marion	Marshall	Mitchell	Morris	Nemaha	Norton
Ottawa	Pawnee	Phillips	Pratt	Republic	Rice
Russell	Scott	Stevens	Thomas	Wabaunsee	Washington
Wilson	Woodson				
Densely-Settled Rural					
Allen	Atchison	Barton	Bourbon	Cherokee	Cowley
Dickinson	Doniphan	<i>Ellis</i>	Finney	Ford	<i>Jackson</i>
Jefferson	Labette	<i>Lyon</i>	McPherson	Neosho	Osage
Pottawatomie	Seward	Sumner			
Semi-Urban					
Butler	Crawford	Franklin	Geary	Harvey	Miami
Montgomery	Reno	Riley	Saline		
Urban					
Douglas	Johnson	<i>Leavenworth</i>	Sedgwick	Shawnee	Wyandotte

Italicized counties changed peer group after the 2010 Census.

APPENDIX 3

Metric to English Conversions for Birth Weight Categories

Metric (grams)	English (pounds)	English (ounces)
500	1	2
1000	2	3
1500	3	5
2000	4	7
2500	5	8
3000	6	10
3500	7	11
4000	8	13
4500	9	15
5000	11	0

1 ounce = 28.349 grams.

English equivalents are rounded to the nearest ounce.

APPENDIX 4

List of 39 Selected Causes of Death

NUMBER	CAUSE OF DEATH	ICD-10 CODES
1	Tuberculosis	A16-A19
2	Syphilis	A50-A53
3	Human immunodeficiency virus (HIV) disease	B20-B24
	<u>Malignant neoplasms</u>	<u>C00-C97</u>
4	Malignant neoplasm of stomach	C16
5	Malignant neoplasm of colon, rectum and anus	C18-C21
6	Malignant neoplasm of pancreas	C25
7	Malignant neoplasm of trachea, bronchus and lung	C33-C34
8	Malignant neoplasm of breast	C50
9	Malignant neoplasm of cervix uteri, corpus uteri and ovary	C53-C56
10	Malignant neoplasm of prostate	C61
11	Malignant neoplasm of urinary tract	C64-C68
12	Non-Hodgkin's lymphoma	C82-C85
13	Leukemia	C91-C95
14	All other malignant neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49 C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97
15	Diabetes mellitus	E10-E14
16	Alzheimer's disease	G30
	<u>Major cardiovascular diseases</u>	<u>I00-I78</u>
	<u>Diseases of heart</u>	<u>I00-I09, I11, I13, I20-I51</u>
17	Hypertensive heart disease with or without renal disease	I11, I13
18	Ischemic heart disease	I20-I15
19	Other diseases of heart	I00-I09, I26-I51
20	Essential hypertension and hypertensive renal disease	I10, I12, I15
21	Cerebrovascular disease	I60-I69
22	Atherosclerosis	I70
23	Other diseases of circulatory system	I71-I78
24	Influenza and pneumonia	J09-J18
25	Chronic lower respiratory diseases	J40-J47
26	Peptic ulcer	K25-K28
27	Chronic liver disease and cirrhosis	K70, K73-K74
28	Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
29	Pregnancy, childbirth and the puerperium	O00-O99
30	Certain conditions originating in the perinatal period	P00-P96
31	Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
32	Sudden infant death syndrome (SIDS)	R95
33	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (excluding Sudden infant death syndrome)	R00-R94, R96-R99
34	All other diseases (residual)	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I60-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, U04
	<u>External causes</u>	<u>*U01-*U04, V01-Y89</u>
35	Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
36	All other and unspecified accidents and adverse effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y96, Y88
37	Intentional self-harm (suicide)	*U03, X60-X84, Y87.0
38	Assault (homicide)	*U01-*U02, X85-Y09, Y87.1
39	All other external causes	Y10-Y36, Y87.2, Y89

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF STILLBIRTH (FETAL DEATH)

State File Number

1. NAME (First, Middle, Last, Suffix)		2. DATE OF DELIVERY (Month, Day, Year)	3. TIME OF DELIVERY M
4. SEX	5. CITY, TOWN, OR LOCATION OF DELIVERY	6. COUNTY OF DELIVERY	
7. PLACE OF DELIVERY <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Delivery <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (If not institution, give street and number and zip code)	
9. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE
11. DATE OF BIRTH (Month, Day, Year)		12. BIRTHPLACE (State, Territory, or Foreign Country)	13. PRESENT RESIDENCE-STATE
14. COUNTY	15. CITY, TOWN, OR LOCATION	16. STREET AND NUMBER OF PRESENT RESIDENCE	
17. ZIPCODE	18. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No	19. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)	
20. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		21. DATE OF BIRTH (Month, Day, Year)	22. BIRTHPLACE (State, Territory, or Foreign Country)
23. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) >			24. DATE SIGNED (Month, Day, Year)
25. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH			
25a. INITIATING CAUSE/CONDITION (Among the choices below, please select the <u>one</u> which most likely began the sequence of events resulting in the death of the fetus.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____			
Fetal Injury (Specify) _____			
Other Fetal Conditions/Disorders (Specify) _____			
25b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (Select or specify all other conditions contributing to death in item 25a.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____			
Fetal Injury (Specify) _____			
Other Fetal Conditions/Disorders (Specify) _____			
26. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death	27a. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	27b. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	27c. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No
28. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD. Signature >	29. DATE SIGNED (Month, Day, Year)	30. ATTENDANT'S NAME AND TITLE (If delivery not attended by physician) Name (Type) _____ <input type="checkbox"/> CNM/CM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____	
31. CERTIFIER'S NAME AND TITLE (Type) <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Other (Specify) _____	32. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)	33a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____	
33b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)	33c. LOCATION (City or Town, and State)		
34. FUNERAL DIRECTOR OR HOSPITAL ADMINISTRATOR Signature >	35. FIRM OR HOSPITAL NAME AND ADDRESS	36. DATE FILED BY STATE REGISTRAR (Month, Day, Year)	

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37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			38. MOTHER'S MEDICAL RECORD NO.		
39a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			39b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
40. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "no" box if the parent is not Spanish, Hispanic, or Latino.)			41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)		
40a. MOTHER-		40b. FATHER-	41a. MOTHER	41b. FATHER	
<input type="checkbox"/> No, not Spanish/ Hispanic/Latina		<input type="checkbox"/> No, not Spanish/ Hispanic/Latino	<input type="checkbox"/> White	<input type="checkbox"/> White	
<input type="checkbox"/> Yes, Mexican/Mexican American/Chicana		<input type="checkbox"/> Yes, Mexican/Mexican American/Chicano	<input type="checkbox"/> Black or African American	<input type="checkbox"/> Native Hawaiian	
<input type="checkbox"/> Yes, Puerto Rican		<input type="checkbox"/> Yes, Puerto Rican	<input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes)	<input type="checkbox"/> Black or African American	
<input type="checkbox"/> Yes, Cuban		<input type="checkbox"/> Yes, Cuban	<input type="checkbox"/> Asian Indian	<input type="checkbox"/> Guamanian or Chamorro	
<input type="checkbox"/> Yes, Central American		<input type="checkbox"/> Yes, Central American	<input type="checkbox"/> Chinese	<input type="checkbox"/> Samoan	
<input type="checkbox"/> Yes, South American		<input type="checkbox"/> Yes, South American	<input type="checkbox"/> Filipino	<input type="checkbox"/> Other Pacific Islander (Specify)	
<input type="checkbox"/> Yes, other Spanish/ Hispanic/Latina (Specify)		<input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify)	<input type="checkbox"/> Japanese	<input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes)	
<input type="checkbox"/> Unknown		<input type="checkbox"/> Unknown	<input type="checkbox"/> Korean	<input type="checkbox"/> Asian Indian	
			<input type="checkbox"/> Vietnamese	<input type="checkbox"/> Chinese	
			<input type="checkbox"/> Other Asian (Specify)	<input type="checkbox"/> Filipino	
			<input type="checkbox"/> Unknown	<input type="checkbox"/> Japanese	
42. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)			43. OCCUPATION AND BUSINESS/INDUSTRY		
			Occupation	Business/Industry (Do not give name of company.)	
42a. MOTHER			43a. MOTHER (Most recent)	43c. MOTHER	
42b. FATHER			43b. FATHER (Usual)	43d. FATHER	
44. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)					
44a. MOTHER'S EDUCATION			44b. FATHER'S EDUCATION		
<input type="checkbox"/> 8 th grade or less			<input type="checkbox"/> 8 th grade or less		
<input type="checkbox"/> Some College credit, but no degree			<input type="checkbox"/> Some College credit, but no degree		
<input type="checkbox"/> Unknown			<input type="checkbox"/> Unknown		
<input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)			<input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		
<input type="checkbox"/> High school graduate or GED			<input type="checkbox"/> High school graduate or GED		
<input type="checkbox"/> Associate degree (e.g., AA, AS)			<input type="checkbox"/> Associate degree (e.g., AA, AS)		
<input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)			<input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)		
<input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			<input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		
45. PREVIOUS LIVE BIRTHS (Do not include this child.)		46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)		47. PLURALITY - Single, Twin, Triplet, etc. (Specify)	
45a. Now living Number _____ <input type="checkbox"/> None		45b. Now dead Number _____ <input type="checkbox"/> None		48. IF NOT A SINGLE BIRTH - Born First, Second, Third, etc. (Specify)	
46a. Before 20 weeks Number _____ <input type="checkbox"/> None		46b. 20 weeks & over Number _____ <input type="checkbox"/> None		49. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	
50. OBSTETRIC ESTIMATE OF GESTATION (Completed Weeks)		51. WEIGHT OF FETUS (grams)			
52. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No		53. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)		54. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)	
55. PRENATAL VISIT - Total number (If none, enter "0")		56. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked per day. If none, enter "0".				57. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY	
Average number of cigarettes or packs of cigarettes smoked per day: No. _____ No. _____ Three months before pregnancy: _____ cigarettes or _____ packs First three months of pregnancy: _____ cigarettes or _____ packs Second three months of pregnancy: _____ cigarettes or _____ packs Third Trimester of pregnancy: _____ cigarettes or _____ packs				<input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other <input type="checkbox"/> Unknown	
58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)					
58b. FACILITY TRANSFERRED FROM:					

CHILD'S NAME _____
VS233 Rev. 05/01/2010

MOTHER'S NAME _____

PRENATAL	LABOR-DELIVERY/STILLBORN FETUS
<p>59. NUTRITION OF MOTHER</p> <ol style="list-style-type: none"> 1. Height _____ 2. Prepregnancy Weight _____ 3. Weight at delivery _____ 4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____ <p>60. MEDICAL RISK FACTORS (Check all that apply.)</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Diabetes, prepregnancy 2. <input type="checkbox"/> Diabetes, gestational 3. Hypertension <ul style="list-style-type: none"> <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia 4. <input type="checkbox"/> Previous preterm birth 5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.) 6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor 7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <ul style="list-style-type: none"> <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many Number _____ 9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____ 10. <input type="checkbox"/> None of the above <p>61. METHOD OF DELIVERY</p> <ol style="list-style-type: none"> 1. Forceps attempted? Yes _____ No _____ Successful: Yes _____ No _____ 2. Vacuum extraction attempted? Yes _____ No _____ Successful: Yes _____ No _____ 3. Fetal presentation at delivery <ul style="list-style-type: none"> <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other 4. Final route and method of delivery (check one) <ul style="list-style-type: none"> <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____ 5. Hysterotomy/Hysterectomy Yes _____ No _____ 	<p>62. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.)</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Maternal transfusion 2. <input type="checkbox"/> Third or fourth degree perineal laceration 3. <input type="checkbox"/> Ruptured uterus 4. <input type="checkbox"/> Unplanned hysterectomy 5. <input type="checkbox"/> Admission to intensive care unit 6. <input type="checkbox"/> Unplanned operating room procedure following delivery 7. <input type="checkbox"/> None of the above <p>63. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.)</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Gonorrhea 2. <input type="checkbox"/> Syphilis 3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 4. <input type="checkbox"/> Chlamydia 5. <input type="checkbox"/> Listeria 6. <input type="checkbox"/> Group B Streptococcus 7. <input type="checkbox"/> Cytomegalovirus 8. <input type="checkbox"/> Parvo virus 9. <input type="checkbox"/> Toxoplasmosis 10. <input type="checkbox"/> AIDS or HIV antibody 11. <input type="checkbox"/> None of the above 12. <input type="checkbox"/> Other (Specify) _____ <p>64. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Anencephaly 2. <input type="checkbox"/> Meningomyelocele/Spina bifida 3. <input type="checkbox"/> Cyanotic congenital heart disease 4. <input type="checkbox"/> Congenital diaphragmatic hernia 5. <input type="checkbox"/> Omphalocele 6. <input type="checkbox"/> Gastroschisis 7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) 8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate 9. <input type="checkbox"/> Cleft Palate alone 10. <input type="checkbox"/> Down Syndrome <ul style="list-style-type: none"> <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 11. <input type="checkbox"/> Suspected chromosomal disorder <ul style="list-style-type: none"> <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 12. <input type="checkbox"/> Hypospadias 13. <input type="checkbox"/> Fetal alcohol syndrome 14. <input type="checkbox"/> Other congenital anomalies (Specify) _____ 15. <input type="checkbox"/> None of the above

THIS IS NOT PART OF THE CERTIFICATE OF STILLBIRTH

Test required by K.S.A. 65-153F, 153G

Serological Test Made: _____ 1st _____ 2nd _____ 3rd (Trimester) _____ At Delivery _____ Not Performed

If no test made, state reason: _____

CERTIFICATE OF LIVE BIRTH

115-

State File Number

1. CHILD'S NAME (First, Middle, Last, Suffix)			2. DATE OF BIRTH (Month, Day, Year)	3. TIME OF BIRTH M
4. SEX	5. BIRTH WEIGHT (Grams)	6. CITY, TOWN, OR LOCATION OF BIRTH	7. COUNTY OF BIRTH	
8. PLACE OF BIRTH <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Birth <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____			9. FACILITY NAME (If not institution, give street and number)	
10. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. Certifier's Signature ➤ _____		11. DATE SIGNED (Month, Day, Year)	12. ATTENDANT'S NAME AND TITLE (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____	
13. Certifier's Name and Title (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hosp Adm. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____			14. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route, City, or Town, State, Zip Code)	
15. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			16. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE	
17. DATE OF BIRTH (Month, Day, Year)		18. BIRTHPLACE (State, Territory, or Foreign Country)	19. PRESENT RESIDENCE-STATE	
20. COUNTY		21. CITY, TOWN, OR LOCATION	22. STREET AND NUMBER OF PRESENT RESIDENCE	
23. ZIP CODE	24. INSIDE CITY LIMITS? <input type="checkbox"/> YES <input type="checkbox"/> NO	25. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)		
26. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		27. DATE OF BIRTH (Month, Day, Year)	28. BIRTHPLACE (State, Territory, or Foreign Country)	
29. PARENTS REQUEST SOCIAL SECURITY NUMBER ISSUANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO		30. IMMUNIZATION REGISTRY I wish to enroll my child in the Immunization Registry <input type="checkbox"/> YES <input type="checkbox"/> NO		
31. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) ➤ _____			32. DATE SIGNED (Month, Day, Year)	33. DATE FILED BY STATE REGISTRAR (Month, Day, Year) (Vital Statistics only)

CONFIDENTIAL INFORMATION FOR INTERNAL USE ONLY

34. IF HOME BIRTH, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				
35. MOTHER'S SOCIAL SECURITY NUMBER		36. FATHER'S SOCIAL SECURITY NUMBER		
37a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown 37b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				
37c. IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED? <input type="checkbox"/> Yes <input type="checkbox"/> No 37d. MOTHER REFUSES TO GIVE HUSBAND'S INFORMATION <input type="checkbox"/> Yes <input type="checkbox"/> No				
38. WHAT IS THE PRIMARY LANGUAGE SPOKEN IN THE HOME? <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Vietnamese <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Russian <input type="checkbox"/> Ukrainian <input type="checkbox"/> Mandarin <input type="checkbox"/> Cantonese <input type="checkbox"/> Sign Language <input type="checkbox"/> Other (Specify) _____				
39. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "No" box if the parent is not Spanish, Hispanic, or Latino.)		40. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)		
<p>39a. MOTHER</p> <input type="checkbox"/> No, not Spanish/ Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latina (Specify) _____ <input type="checkbox"/> Unknown		<p>39b. FATHER</p> <input type="checkbox"/> No, not Spanish/ Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	<p>40a. MOTHER</p> <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black or African American <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Chinese <input type="checkbox"/> _____ <input type="checkbox"/> Filipino <input type="checkbox"/> _____ <input type="checkbox"/> Japanese <input type="checkbox"/> _____ <input type="checkbox"/> Korean <input type="checkbox"/> _____ <input type="checkbox"/> Vietnamese <input type="checkbox"/> _____ <input type="checkbox"/> Other Asian (Specify) _____	<p>40b. FATHER</p> <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black or African American <input type="checkbox"/> Guamanian or Chamorro <input checked="" type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Chinese <input type="checkbox"/> _____ <input type="checkbox"/> Filipino <input type="checkbox"/> _____ <input type="checkbox"/> Japanese <input type="checkbox"/> _____ <input type="checkbox"/> Korean <input type="checkbox"/> _____ <input type="checkbox"/> Vietnamese <input type="checkbox"/> _____ <input type="checkbox"/> Other Asian (Specify) _____
41. ANCESTRY - What is the parents' ancestry or ethnic origin?- Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)		42. OCCUPATION AND BUSINESS/INDUSTRY		
		Occupation	Business/Industry (Do not give name of company.)	
41a. MOTHER		42a. MOTHER (Most recent)	42c. MOTHER	
41b. FATHER		42b. FATHER (Usual)	42d. FATHER	
43. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)				
43a. MOTHER'S EDUCATION		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> 9 th - 12 th grade; no diploma <input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		
43b. FATHER'S EDUCATION		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> 9 th - 12 th grade; no diploma <input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		
44. PREVIOUS LIVE BIRTHS (Do not include this child.)		45. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)	46. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No	49. PRENATAL VISITS-Total Number (If none, enter "0")
44a. Now living Number _____ <input type="checkbox"/> None	44b. Now dead Number _____ <input type="checkbox"/> None	45a. Before 20 weeks Number _____ <input type="checkbox"/> None	45b. 20 weeks & over Number _____ <input type="checkbox"/> None	47. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)
44c. DATE OF LAST LIVE BIRTH (Month, Year)		45c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		48. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)
52. PLURALITY-Single, Twin, Triplet, etc. (Specify)		53. IF NOT A SINGLE BIRTH – Born First, Second, Third, etc. (Specify)	54. TOTAL LIVE BIRTHS AT THIS DELIVERY	55. IS INFANT ALIVE AT THE TIME OF THIS REPORT? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
				56. IS INFANT BEING BREAST-FED AT DISCHARGE? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
57. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked per day during each time period. If none, enter "0". Average number of cigarettes or packs of cigarettes smoked per day for each period: No. No. Three months before pregnancy: _____ cigarettes or _____ packs First three months of pregnancy: _____ cigarettes or _____ packs Second three months of pregnancy: _____ cigarettes or _____ packs Third Trimester of pregnancy: _____ cigarettes or _____ packs		58. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown		
		59. MOTHER'S MEDICAL RECORD NO.		60. NEWBORN'S MEDICAL RECORD NO.
61. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)		62. INFANT TRANSFERRED (Within 24 hours of delivery) <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)		
FACILITY TRANSFERRED FROM: _____				
FACILITY TRANSFERRED TO: _____				

PRENATAL (Birth)		LABOR-DELIVERY/NEWBORN				
63. NUTRITION OF MOTHER 1. Height _____ 2. Prepregnancy Weight _____ 3. Weight at delivery _____ 4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____		66. OBSTETRICAL PROCEDURES (Check all that apply.) 1. <input type="checkbox"/> Cervical cerclage 2. <input type="checkbox"/> Tocolysis 3. External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed 4. <input type="checkbox"/> None of the above				
64. MEDICAL RISK FACTORS (Check all that apply.) 1. <input type="checkbox"/> Diabetes, prepregnancy 2. <input type="checkbox"/> Diabetes, gestational 3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia 4. <input type="checkbox"/> Previous preterm birth 5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.) 6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor 7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many? Number: _____ 9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____ 10. <input type="checkbox"/> None of the above		67. ONSET OF LABOR (Check all that apply.) 1. <input type="checkbox"/> Premature Rupture of the Membranes (prolonged, ≥ 12 hours) 2. <input type="checkbox"/> Precipitous Labor (< 3 hrs) 3. <input type="checkbox"/> Prolonged Labor (≥ 20 hrs) 4. <input type="checkbox"/> None of the above				
65. METHOD OF DELIVERY 1. Forceps attempted? Yes _____ No _____ Successful Yes _____ No _____ 2. Vacuum extraction attempted? Yes _____ No _____ Successful Yes _____ No _____ 3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other 4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____		68. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.) 1. <input type="checkbox"/> Induction of labor 2. <input type="checkbox"/> Augmentation of labor 3. <input type="checkbox"/> Non-vertex presentation 4. <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 5. <input type="checkbox"/> Antibiotics received by the mother during labor 6. <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature ≥ 38 C (100.4 F) 7. <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid 8. <input type="checkbox"/> Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery) 9. <input type="checkbox"/> Epidural or spinal anesthesia during labor 10. <input type="checkbox"/> None of the above				
69. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.) 1. <input type="checkbox"/> Maternal transfusion 2. <input type="checkbox"/> Third or fourth degree perineal laceration 3. <input type="checkbox"/> Ruptured uterus 4. <input type="checkbox"/> Unplanned hysterectomy 5. <input type="checkbox"/> Admission to intensive care unit 6. <input type="checkbox"/> Unplanned operating room procedure following delivery 7. <input type="checkbox"/> None of the above		70. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.) 1. <input type="checkbox"/> Gonorrhea 2. <input type="checkbox"/> Syphilis 3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 4. <input type="checkbox"/> Chlamydia 5. <input type="checkbox"/> Hepatitis B 6. <input type="checkbox"/> Hepatitis C 7. <input type="checkbox"/> AIDS or HIV antibody 8. <input type="checkbox"/> None of the above				
71. ABNORMAL CONDITIONS OF NEWBORN (Check all that apply) 1. <input type="checkbox"/> Assisted ventilation required immediately following delivery 2. <input type="checkbox"/> Assisted ventilation required for more than six hours 3. <input type="checkbox"/> NICU admission 4. <input type="checkbox"/> Newborn given surfactant replacement therapy 5. <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis 6. <input type="checkbox"/> Seizure or serious neurologic dysfunction 7. <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) 8. <input type="checkbox"/> None of the above						
72. VACCINES ADMINISTERED TO NEWBORN 1. <input type="checkbox"/> Hepatitis B Date Given: _____ 2. <input type="checkbox"/> Other* Specify: _____ Date Given: _____						
73. APGAR SCORE <table border="1"> <tr> <td>1 min</td> <td>5 min</td> <td>10 min</td> </tr> </table>				1 min	5 min	10 min
1 min	5 min	10 min				
74. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.) 1. <input type="checkbox"/> Anencephaly 2. <input type="checkbox"/> Meningomyelocele/Spina bifida 3. <input type="checkbox"/> Cyanotic congenital heart disease 4. <input type="checkbox"/> Congenital diaphragmatic hernia 5. <input type="checkbox"/> Omphalocele 6. <input type="checkbox"/> Gastrochisis 7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) 8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate 9. <input type="checkbox"/> Cleft Palate alone 10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 12. <input type="checkbox"/> Hypospadias 13. <input type="checkbox"/> Fetal alcohol syndrome 14. <input type="checkbox"/> Other congenital anomalies (Specify) _____ 15. <input type="checkbox"/> None of the above						

Parent's Telephone Number: _____

CHILD'S NAME _____

MOTHER'S NAME _____

<p>Test required by K.S.A. 65-153f 153G Serological Test Made:</p> <p><input type="checkbox"/> 1st <input type="checkbox"/> 2nd <input type="checkbox"/> 3rd (Trimester) <input type="checkbox"/> At Delivery <input type="checkbox"/> Not Performed</p> <p>If no test made, state reason:</p>	<p>Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Kit Number _____</p> <p>If no test made, state reason:</p>	<p>Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>						
<p>Infant's patient number:</p> <p>Infant's Primary Care Physician</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 25%;">First</td> <td style="width: 25%;">Middle</td> <td style="width: 25%;">Last</td> <td style="width: 25%;">Title (MD, DO, etc.)</td> </tr> </table> <p>If screening accomplished, Date hearing screened Month / Day / Year</p> <p>The results of the hearing screening ✓:</p> <p>Right ear: <input type="checkbox"/> Pass <input type="checkbox"/> Refer for further testing Left ear: <input type="checkbox"/> Pass <input type="checkbox"/> Refer for further testing</p> <p>Physiologic equipment used ✓: <input type="checkbox"/> OAE <input type="checkbox"/> AABR <input type="checkbox"/> ABR</p> <p>If screening not accomplished, ✓ one reason:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> b – missed appointment <input type="checkbox"/> c – could not test <input type="checkbox"/> d – deceased <input type="checkbox"/> i – Incomplete test <input type="checkbox"/> m – Infant discharged before screening <input type="checkbox"/> n – transferred to NICU </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> o – other <input type="checkbox"/> r – did not consent <input type="checkbox"/> s – scheduled but not completed <input type="checkbox"/> t – transferred to another hospital <input type="checkbox"/> u – no information <input type="checkbox"/> x – invalid results </td> </tr> </table>			First	Middle	Last	Title (MD, DO, etc.)	<input type="checkbox"/> b – missed appointment <input type="checkbox"/> c – could not test <input type="checkbox"/> d – deceased <input type="checkbox"/> i – Incomplete test <input type="checkbox"/> m – Infant discharged before screening <input type="checkbox"/> n – transferred to NICU	<input type="checkbox"/> o – other <input type="checkbox"/> r – did not consent <input type="checkbox"/> s – scheduled but not completed <input type="checkbox"/> t – transferred to another hospital <input type="checkbox"/> u – no information <input type="checkbox"/> x – invalid results
First	Middle	Last	Title (MD, DO, etc.)					
<input type="checkbox"/> b – missed appointment <input type="checkbox"/> c – could not test <input type="checkbox"/> d – deceased <input type="checkbox"/> i – Incomplete test <input type="checkbox"/> m – Infant discharged before screening <input type="checkbox"/> n – transferred to NICU	<input type="checkbox"/> o – other <input type="checkbox"/> r – did not consent <input type="checkbox"/> s – scheduled but not completed <input type="checkbox"/> t – transferred to another hospital <input type="checkbox"/> u – no information <input type="checkbox"/> x – invalid results							

TYPE
OR
PRINT IN
PERMANENT
INK

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building, Suite 130
1000 SW Jackson
Topeka, Kansas 66612-1354
785-296-8627

Report of Induced Termination of Pregnancy

State File Number

INSTRUCTIONS SEE HANDBOOK

1. Provider Identification Number											
2. Patient ID Number	3. Age on Last Birthday	4. Married <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date of Pregnancy Termination <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr></table>	Month	Day	Year					
Month	Day	Year									
6a. Residence US State or Country	6b. County	6c. City or Town	6d. Inside City Limits <input type="checkbox"/> Yes <input type="checkbox"/> No								
7a. Hispanic Origin (Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina)	7b. Ancestry (Enter the name of the country that best describes the heritage or origin of the individual)	8. Race (Check one or more races to indicate what the individual considers herself to be) <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Principal Tribe(s) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (specify) _____ <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown	9. Education (specify only highest grade completed) <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th-12th grade no diploma <input type="checkbox"/> High school graduate/GED <input type="checkbox"/> Some College - no degree <input type="checkbox"/> Associate degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Master's degree <input type="checkbox"/> Doctorate <input type="checkbox"/> Unknown								
10. Date Last Normal Menses Began <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr></table>	Month	Day	Year	11. Clinical Estimate of Gestation (Weeks) (1)	12. Previous Pregnancies (Enter number or zero in every section) <table border="1"><tr><td>Live Births</td><td>12a. Now Living</td><td>12b. Now Dead</td><td>12c. Previous Induced Abortions</td><td>12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)</td></tr></table>		Live Births	12a. Now Living	12b. Now Dead	12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
Month	Day	Year									
Live Births	12a. Now Living	12b. Now Dead	12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)							
13 TERMINATION PROCEDURES											
13a Procedure that terminated pregnancy (Check only one) <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____	13b Additional procedures used for this termination, if any (Check all that apply) <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____										
14 Reasons for determining gestational age - describe methods used											
15. Was Report of physical, mental, or emotional abuse or neglect filed pursuant to K.S.A. 38-2223 YES <input type="checkbox"/> NO <input type="checkbox"/>											

1 If clinical estimate of gestational age is 22 weeks or more, complete reverse side of form

2 If Partial Birth Procedure as defined by KSA 65-6721 is used, complete reverse side of form

Complete the following items only if the clinical estimate of gestational age is 22 weeks or more

16a Was fetus viable?

YES NO

16b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 17a-c only if 16a is yes

17a Was this abortion necessary to

(Check all that apply)

- Prevent patient's death
 Prevent substantial and irreversible impairment of a major bodily function

17b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

17c Basis for determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete the following items only if a partial birth procedure was performed

18a Was fetus viable?

YES NO

18b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 19a-b only if 18a is yes

19a Was this abortion necessary to

(Check all that apply)

- Prevent patient's death
 Prevent substantial and irreversible physical impairment of a major bodily function

19b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Kansas Department Of Health And Environment
Office of Vital Statistics

CERTIFICATE OF DEATH

State File Number

1. DECEDENT'S LEGAL NAME (First, Middle, Last)		2. SEX	3. IF FEMALE, NAME PRIOR TO FIRST MARRAIGE		4. DATE OF DEATH (Month, Day, Year)		
5. SOCIAL SECURITY NUMBER		6. DATE OF BIRTH (Month, Day, Year)	7a. AGE-Last Birthday (Years)	7b. UNDER 1 YEAR Months	7c. UNDER 1 DAY Hours	8. PLACE OF BIRTH (City and State or Foreign Country)	Minutes
9. WAS DECEDENT EVER IN U.S. ARMED FORCES? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		10a. PLACE OF DEATH (Check only one)					
		HOSPITAL <input type="checkbox"/> Inpatient <input type="checkbox"/> DOA <input type="checkbox"/> ER/Outpatient		<input type="checkbox"/> Nursing Home <input type="checkbox"/> Hospice Facility <input type="checkbox"/> Assisted Living Facility <input type="checkbox"/> Decedent's Residence <input type="checkbox"/> Other (Specify) _____			
10b. FACILITY NAME (If not institution, give street and number)		10c. COUNTY OF DEATH			10d. CITY OR TOWN OF DEATH		10e. ZIP CODE
11. MARITAL STATUS <input type="checkbox"/> Married <input type="checkbox"/> Married, but separated <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Never Married <input type="checkbox"/> Unknown					12. SURVIVING SPOUSE (If wife, give name before first marriage)		
13a. RESIDENCE-STREET ADDRESS & APARTMENT NO.					13b. STATE		
13c. COUNTY		13d. CITY OR TOWN			13e. ZIP CODE	13f. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
14. FATHER'S NAME (First, Middle, Last)			15. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)				
16a. INFORMANT'S NAME (First, Middle, Last)		16b. MAILING ADDRESS (Street and Number, City, State, Zip Code)			16c. RELATIONSHIP TO DECEDED		
17. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Removal from State <input type="checkbox"/> Donation <input type="checkbox"/> Entombment <input type="checkbox"/> Other (Specify) _____			18a. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)			18b. LOCATION-City or Town, and State	
19. FUNERAL SERVICE LICENSEE & LICENSE NO. (Signature) ➤				20. NAME OF EMBALMER & LICENSE NO.			
21. NAME AND ADDRESS OF FIRM							
22. CAUSE OF DEATH – Part I. Enter the chain of events - diseases, injuries, or complications that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines, if necessary. IMMEDIATE CAUSE (Final disease or condition resulting in death) a. _____ Approximate Interval: Onset to Death Sequentially list conditions, if any, leading to immediate cause listed on line a. Enter the UNDERLYING CAUSE (disease or injury that initiated the events resulting in death) LAST. b. _____ c. _____ d. _____							
PART II. Enter other significant conditions contributing to death, but not resulting in the underlying cause given in Part I.			23a. AUTOPSY <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	23b. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Not Applicable		23c. WAS CORONER CONTACTED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
24. DID TOBACCO USE CONTRIBUTE TO DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> Probably <input type="checkbox"/> No <input type="checkbox"/> Unknown		25. IF FEMALE <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Unknown if pregnant within the last year <input type="checkbox"/> Not pregnant, but pregnant within 42 days of death			26. MANNER OF DEATH <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be determined		
27a. DATE OF INJURY (Month, Day, Year)		27b. TIME OF INJURY A.M. P.M.	27c. INJURY AT WORK <input type="checkbox"/> Yes <input type="checkbox"/> No	27d. DESCRIBE HOW INJURY OCCURRED			
27e. PLACE OF INJURY-Residence, farm, street, factory, building, etc. (Specify)				27f. LOCATION (Street and Number or Rural Route, City or Town, State, Zip Code)			
28a. DATE PRONOUNCED DEAD (Month, Day, Year)		28b. TIME PRONOUNCED DEAD A.M. P.M.	28c. ACTUAL OR PRESUMED TIME OF DEATH A.M. P.M.	28d. NAME OF PERSON PRONOUNCING DEATH (If applicable)			28e. LICENSE NO.
29a. CERTIFIER (Check only one)		<input type="checkbox"/> Certifying physician - To the best of my knowledge, death occurred due to the cause(s) and manner stated. <input type="checkbox"/> Pronouncing & Certifying physician - To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated. <input type="checkbox"/> Coroner - On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.					
Signature of certifier ➤				LICENSE NO.		DATE CERTIFIER SIGNED	
29b. NAME, ADDRESS, AND ZIP CODE OF PERSON COMPLETING CAUSE OF DEATH <input type="checkbox"/> M.D. <input type="checkbox"/> D.O.						30. DATE FILED BY STATE REGISTRAR (Month, Day, Year)	

<p>31. ANCESTRY-What is this person's ancestry or ethnic origin? Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)</p> <hr/>	<p>33. RACE (Check one or more boxes to indicate what race(s) the decedent considered himself or herself to be.)</p> <hr/> <p><input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <hr/> <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) <hr/> <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) <hr/> <input type="checkbox"/> Other (Specify) <hr/> <input type="checkbox"/> Unknown</p>	<p>34. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of death.)</p> <hr/> <p><input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th - 12th grade; no diploma <input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD) <input type="checkbox"/> Unknown</p>
<p>32. HISPANIC ORIGIN (Check the box or boxes that best describes whether the decedent is Spanish/Hispanic/Latino. Check the "no" box if the decedent is not Spanish/Hispanic/Latino)</p> <hr/> <p><input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) <hr/> <input type="checkbox"/> Unknown</p>		<p>35. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)</p> <hr/>
		<p>36. KIND OF BUSINESS/INDUSTRY (Do not give name of company.)</p> <hr/>

STATE OF KANSAS
DEPARTMENT OF HEALTH AND ENVIRONMENT
Office of Vital Statistics
Marriage License

License No.

1. GROOM'S NAME - FIRST	MIDDLE	LAST	2. DATE OF BIRTH (Month, Day, Year)
3. BIRTHPLACE (State or Foreign Country)	4. RESIDENCE - STATE OR FOREIGN COUNTRY	5. COUNTY OR PROVINCE	6. CITY OR TOWN
7. FATHER'S NAME (First, Middle, Last)		8. BIRTHPLACE (State or Foreign Country)	9. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)
11. BRIDE'S NAME- FIRST		MIDDLE	LAST
12. LAST NAME PRIOR TO FIRST MARRIAGE (If different)		13. DATE OF BIRTH (Month, Day, Year)	14. BIRTHPLACE (State or Foreign Country)
15. RESIDENCE – STATE OR FOREIGN COUNTRY		16. COUNTY OR PROVINCE	17. CITY OR TOWN
18. FATHER'S NAME (First, Middle, Last)		19. BIRTHPLACE (State or Foreign Country)	20. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)
			21. BIRTHPLACE (State or Foreign Country)
22a. GROOM'S MOTHER/PARENT I OR GUARDIAN CONSENTING (If applicable, type or print)		22c. BRIDE'S MOTHER/PARENT I OR GUARDIAN CONSENTING (If applicable, type or print)	
22b. GROOM'S FATHER/PARENT II OR GUARDIAN CONSENTING (If applicable, type or print)		22d. BRIDE'S FATHER/PARENT II OR GUARDIAN CONSENTING (If applicable, type or print)	
22e. HAVE ALL LIVING PARENT(S) OR GUARDIAN(S) CONSENTED? GROOM Yes <input type="checkbox"/> No <input type="checkbox"/> Emancipated <input type="checkbox"/> Parent(s) Deceased <input type="checkbox"/>		BRIDE Yes <input type="checkbox"/> No <input type="checkbox"/> Emancipated <input type="checkbox"/> Parent(s) Deceased <input type="checkbox"/>	
22f. NAME OF CONSENTING JUDGE (If applicable, please type or print)			

Completed marriage license is to be returned to Issuing District Court within 10 days after marriage.

23. DISTRICT COURT OF ISSUANCE	24. DATE LICENSE ISSUED (Month, Day, Year)	25. EXPIRATION DATE (Month, Day, Year)
26. ISSUING OFFICIAL	27. TITLE OF ISSUING OFFICIAL	28. DATE RECEIVED BY COURT OFFICIAL

This License Authorizes the Marriage in This State of the Parties Named Above By Any Person Duly Authorized to Perform a Marriage Ceremony Under the Laws of the State of Kansas.

29. I CERTIFY THAT THE ABOVE NAMED PERSONS WERE MARRIED ON: (Month, Day, Year)	30. WHERE MARRIED - COUNTY	31. CITY OR TOWN
32. SIGNATURE OF PERSON PERFORMING CEREMONY	33. NAME OF PERSON PERFORMING CEREMONY (Please type or print)	34. TITLE
35. ADDRESS OF PERSON PERFORMING CEREMONY (Street and No. or Rural Route, City or Town, State, Zip Code)		
36. WITNESS NAME TO CEREMONY (Print or Type)		37. WITNESS NAME TO CEREMONY (Print or Type)

Designated new legal name pursuant to K.S.A. 23-133. (If applicable)

38. GROOM'S NAME - FIRST	MIDDLE	LAST
39. BRIDE'S NAME - FIRST	MIDDLE	LAST

STATISTICAL INFORMATION MUST BE COMPLETED ON THE BACK BEFORE SUBMITTING LICENSE TO STATE

STATISTICAL INFORMATION
(THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.)

40. NUMBER OF THIS MARRIAGE First, Second, etc. (Specify below)		41. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED		DATE RECEIVED BY STATE REGISTRAR (Vital Statistics Use Only)
		By Death, Divorce, or Annulment (Specify below)	Date (Month, Day, Year)	
40a. GROOM		41a. GROOM	41b. GROOM	42. GROOM'S SOCIAL SECURITY NUMBER
40b. BRIDE		41c. BRIDE	41d. BRIDE	43. BRIDE'S SOCIAL SECURITY NUMBER
44. GROOM AND BRIDE'S HISPANIC ORIGIN (Check the box or boxes that best describes whether you are Spanish, Hispanic, or Latino. Check the "no" box if you are not Spanish, Hispanic or Latino.)		45. GROOM AND BRIDE'S RACE (Check one or more boxes to indicate what race(s) you consider yourself to be.)		
44a. GROOM	44b. BRIDE	45a. GROOM		45b. BRIDE
		<input type="checkbox"/> White	<input type="checkbox"/> Korean	<input type="checkbox"/> White
<input type="checkbox"/> No, not Spanish/ Hispanic/Latino	<input type="checkbox"/> Black or African American	<input type="checkbox"/> Vietnamese	<input type="checkbox"/> Black or African American	<input type="checkbox"/> Vietnamese
<input type="checkbox"/> Yes, Mexican, Mexican American, Chicano	<input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <hr/> <hr/>	<input type="checkbox"/> Other Asian (Specify) <hr/> <hr/>	<input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <hr/> <hr/>	<input type="checkbox"/> Other Asian (Specify) <hr/> <hr/>
<input type="checkbox"/> Yes, Puerto Rican	<input type="checkbox"/> Asian Indian	<input type="checkbox"/> Native Hawaiian	<input type="checkbox"/> Native Hawaiian	<input type="checkbox"/> Native Hawaiian
<input type="checkbox"/> Yes, Cuban	<input type="checkbox"/> Chinese	<input type="checkbox"/> Guamanian or Chamorro	<input type="checkbox"/> Guamanian or Chamorro	<input type="checkbox"/> Guamanian or Chamorro
<input type="checkbox"/> Yes, Central American	<input type="checkbox"/> Filipino	<input type="checkbox"/> Samoan	<input type="checkbox"/> Samoan	<input type="checkbox"/> Samoan
<input type="checkbox"/> Yes, South American	<input type="checkbox"/> Japanese	<input type="checkbox"/> Other Pacific Islander (Specify) <hr/> <hr/>	<input type="checkbox"/> Other Pacific Islander (Specify) <hr/> <hr/>	<input type="checkbox"/> Other Pacific Islander (Specify) <hr/> <hr/>
<input type="checkbox"/> Yes, other Spanish/ Hispanic/Latino	<input type="checkbox"/> Other (Specify) <hr/> <hr/>	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
(Specify) _____				
<input type="checkbox"/> Unknown				
46. EDUCATION (Check the box that best describes the highest degree or level of school completed)				
46a. GROOM'S EDUCATION		<input type="checkbox"/> 8 th grade or less	<input type="checkbox"/> 9 th - 12 th grade; no diploma	<input type="checkbox"/> High school graduate or GED
		<input type="checkbox"/> Some College credit, but no degree	<input type="checkbox"/> Associate degree (e.g., AA, AS)	<input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)
<input type="checkbox"/> Unknown		<input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	<input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
46b. BRIDE'S EDUCATION		<input type="checkbox"/> 8 th grade or less	<input type="checkbox"/> 9 th - 12 th grade; no diploma	<input type="checkbox"/> High school graduate or GED
		<input type="checkbox"/> Some College credit, but no degree	<input type="checkbox"/> Associate degree (e.g., AA, AS)	<input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)
<input type="checkbox"/> Unknown		<input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	<input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	

STATE OF KANSAS
KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Office of Vital Statistics
CERTIFICATE OF DIVORCE OR ANNULMENT

CASE NUMBER		State File Number	
1. HUSBAND'S NAME (First, Middle, Last)		2. DATE OF BIRTH (Month, Day, Year)	
3. RESIDENCE-STATE		4. COUNTY	
5. WIFE'S NAME (First, Middle, Last)		6. WIFE'S LAST NAME PRIOR TO FIRST MARRIAGE	
7. DATE OF BIRTH (Month, Day, Year)	8. RESIDENCE-STATE	9. COUNTY	
10. PLACE OF THIS MARRIAGE - STATE OR FOREIGN COUNTRY	11. COUNTY	12. DATE OF THIS MARRIAGE (Month, Day, Year)	13. NUMBER OF CHILDREN UNDER 18 IN THIS HOUSEHOLD AS OF DATE IN ITEM 17
14. PETITIONER <input type="checkbox"/> Husband <input type="checkbox"/> Wife <input type="checkbox"/> Both <input type="checkbox"/> Other (Specify) _____		15. NAME OF PETITIONER'S ATTORNEY (Type)	
16. ATTORNEY'S ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)			
17. DATE DECREE FILED (Month, Day, Year)	18. TYPE OF DECREE-(Specify) <input type="checkbox"/> Divorce <input type="checkbox"/> Annulment	19. COUNTY OF DECREE	20. DATE FILED BY STATE REGISTRAR (Month, Day, Year)

THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.

K.S.A. 65-2422B, REQUIRES THE DIVORCE REPORT TO INCLUDE THE SOCIAL SECURITY NUMBER OF BOTH PARTIES TO MAKE SUCH INFORMATION AVAILABLE TO THE SECRETARY OF SOCIAL AND REHABILITATION SERVICES FOR THE PURPOSE OF ESTABLISHING, MODIFYING, OR ENFORCING A SUPPORT OBLIGATION.

21. HUSBAND'S SOCIAL SECURITY NUMBER		22. WIFE'S SOCIAL SECURITY NUMBER	
23. NUMBER OF THIS MARRIAGE First, Second, etc. (Specify below)		24. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED By Death, Divorce, or Annulment (Specify below) _____ Date (Month, Day, Year) _____	
23a. HUSBAND		24a. HUSBAND	
23b. WIFE		24c. WIFE	
25. HISPANIC ORIGIN (Check the box or boxes that best describes whether you are Spanish, Hispanic, or Latino. Check the "no" box if you are not Spanish, Hispanic, or Latino.)		26. RACE (Check one or more boxes to indicate what race(s) you consider yourself to be.)	
25a. HUSBAND <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown		25b. WIFE <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____ <input type="checkbox"/> Unknown	
		26a. HUSBAND <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	
		26b. WIFE <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	
27. EDUCATION (Check the box that best describes the highest degree or level of school completed.)			
27a. HUSBAND'S EDUCATION <input type="checkbox"/> Unknown		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	
		<input type="checkbox"/> 9 th - 12 th grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
27b. WIFE'S EDUCATION <input type="checkbox"/> Unknown		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	
		<input type="checkbox"/> 9 th - 12 th grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	

Errata

On October 22, 2013, the Bureau of Epidemiology and Public Health Informatics corrected two typographical errors on page 7 of the 2012 Annual Summary of Vital Statistics. The corrections involved expressing the population-based death rates for suicide as 13.4 per 100,000 in 2011 and 17.6 per 100,000 in 2012.

On April 15, 2015, the KDHE Bureau of Epidemiology and Public Health Informatics made corrections to Table 23 in the Annual Summary 2012. The changes reflected the correction of a logic error in the computer code which had inflated the “Less than Recommended Weight Gain” at the expense of the “N.S.” column. Values for other columns in this table remain unchanged.